



October 17, 2013

Adam S. Walters, Esq.
Partner
Phillips Lytle LLP
3400 HSBC Center
Buffalo, NY 14203

Attorney-Client Privileged and Confidential
Prepared at the Request of Counsel

RE: Preliminary Phase II Environmental Site Assessment
119 Franklin Street, 211 Franklin Street, 202 Franklin Street and 120 West Cornell Street
Olean, New York

Dear Mr. Walters:

Day Environmental, Inc. (DAY) prepared this report describing the results of a preliminary Phase II Environmental Site Assessment (Phase II ESA or study) completed on the property addressed 119 Franklin Street, 211 Franklin Street, 202 Franklin Street and 120 West Cornell Street, Olean, New York (the Site). A project locus map identifying the location of the Site is included as Figure 1.

BACKGROUND

The Site consists of four contiguous parcels of land totaling approximately 14.28 acres. The four parcels that comprise the Site include:

- 1) 119 Franklin Street (SBL # 94.040-1-20): An approximate 0.19-acre parcel of vacant land.
- 2) 202 Franklin Street (SBL # 94.040-1-21): An approximate 8.41-acre parcel of land that includes a parking lot, vacant ground, and an athletic field (i.e., Hysol Park).
- 3) 211 Franklin Street (SBL #94.040-1-21): An approximate 5.54-acre parcel of land, improved with an approximate 280,000-square foot, two-story industrial building with a partial basement.
- 4) 120 West Connell Street (SBL # 94.040-1-22): An approximate 0.14-acre parcel of vacant land.

The four parcels identified above are currently owned by Goodban Belt LLC (Goodban Belt), and SolEpoxy, Inc., founded in 2010, currently leases the property from Goodban Belt and operates a manufacturing facility on the southern portion of the Site (i.e., the 211 Franklin Street parcel). Products currently manufactured by SolEpoxy include epoxy-molding compounds, insulating coating powders and optically clear molding compounds primarily for use in electrical components. The Site has a long history of industrial usage dating back to the at least 1886. In addition, industrial activities and oil storage facilities with numerous railroad lines to service such operations are/were prevalent in the area surrounding the Site. The Site is part of approximate 500-acre parcel of land that has been designated as a Brownfield Opportunity Area (BOA) due to historic industrial operations.

A Phase I Environmental Site Assessment (Phase I ESA) completed at the Site in October 2013 by DAY identified the following recognized environmental conditions (RECs).

- REC #1 – Historical industrial usage of the Site, including:
 - Industrial manufacturing activities at the Site since at least 1886;
 - Use of chemical and petroleum storage tanks;
 - Use of basements and subsurface vaults for possible chemical waste storage or disposal; and
 - Drain discharges that could contain waste materials generated during past manufacturing operations.

- REC #2 – Potential contaminant migration from off site sources

LIMITATIONS

The findings and conclusions presented in this report are based upon an evaluation of a limited number of samples collected during this study and DAY's interpretation of this data. Conditions between sample locations may vary and, as such, the findings and conclusions presented herein should be considered as a professional opinion. If additional data becomes available in the future, it may be necessary to re-evaluate the opinions expressed in this report.

PHASE II ESA FIELDWORK AND ANALYTICAL LABORATORY TESTING

Between September 10, 2013 and September 13, 2013, test borings designated TB-01 through TB-07 were advanced using a combination of direct-push and rotary drilling methods. Upon completion of drilling, 1-inch diameter monitoring wells constructed of flush-coupled polyvinyl chloride (PVC) well screens and risers were installed in test borings TB-01 through TB-05. The table below summarizes the test borings/monitoring wells completed as part of this preliminary Phase II ESA.

| Test Boring | Monitoring Well | Ground Surface Elevation¹ (feet) | Bottom of Test Boring (feet bgs) | Screened Interval (feet bgs) |
|--------------------|------------------------|--|---|-------------------------------------|
| TB-01 | MW-A | 95.66 | 27.0 | 15.9 – 25.9 |
| TB-02 | MW-B | 97.84 | 28.0 | 18.0 – 28.0 |
| TB-03 | MW-C | 98.26 | 28.0 | 18.0 – 28.0 |
| TB-04 | MW-D | 99.28 | 30.0 | 20.0 – 30.0 |
| TB-05 | MW-E | 101.91 | 33.0 | 23.0 – 33.0 |
| TB-06 | -- | Not Measured | 12.0 | N/A |
| TB-07 | -- | Not Measured | 4.0 | N/A |

¹Ground elevation measured to an arbitrary site datum of 100.00 feet established on the rim of a bollard located at the northwest corner of the 211 Franklin Street parcel.

The locations of test boring TB-01 through TB-07 and monitoring wells MW-A through MW-E are presented on the Site Plan included as Figure 2.

Soil samples collected during the advancement of the test borings were observed to evaluate stratigraphic conditions, and for evidence of potential environmental impact (e.g., staining, unusual odors, etc.). In addition, a photoionization detector (PID) was used to scan the air space above the samples collected. Copies of test boring logs for TB-01 through TB-07 that summarize subsurface conditions and PID measurements are included in Attachment A. Monitoring well installation diagrams for MW-A through MW-E are also included in Attachment A.

On September 19, 2013 groundwater monitoring wells MW-A through MW-E were developed for the purpose of removing sediment that accumulated in the well casing during drilling in preparation for sampling. Upon completion, the groundwater in each well was allowed to recharge to pre-development levels before groundwater samples were collected from each monitoring well for subsequent testing. In-situ measurements made at the time of groundwater sampling are summarized below.

| WELL ID | TEMP (°C) | pH (su) | ORP (mV) | CONDUCTIVITY (ms/cm) | PID (ppm) | TURBIDITY (NTU) | VISUAL OBSERVATIONS |
|---------|-----------|---------|----------|----------------------|-----------|-----------------|---|
| MW-A | 14.8 | 6.97 | -144 | 0.94 | 275 | >800 | Very Cloudy, Chemical Odor, Gray/Black, Petroleum Sheen |
| MW-B | 16.0 | 6.92 | -150 | 2.13 | 61.5 | >800 | Very Cloudy, Chemical Odor, Gray/Black, Petroleum Sheen |
| MW-C | 13.5 | 7.27 | -37 | 1.21 | 0.0 | >800 | Very Cloudy, (opaque) No Odor |
| MW-D | 15.4 | 7.10 | -121 | 1.43 | 115 | >800 | Gray/Black Chemical Odor, Petroleum Sheen |
| MW-E | 14.8 | 7.22 | -18 | 1.60 | 0.9 | >800 | Cloudy, Brown, No Odor |

Analytical Laboratory Testing

Select soil samples from the test borings advanced during this study and groundwater samples from each of the monitoring wells installed during this study were submitted for testing by a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified analytical laboratory. Specifically, soil samples were delivered under chain-of-custody control to ALS Group USA, Corp. dba ALS Environmental (ALS) in Rochester, New York. Groundwater samples were delivered under chain-of-custody control to Spectrum Analytical Inc. (Spectrum) in Agawam, Massachusetts. The samples submitted for testing and the test parameters are summarized on Table 1 *Phase II Environmental Site Assessment, 211 Franklin Street, Olean, New York, Analytical Laboratory Testing Program*. Copies of the analytical laboratory reports prepared by the analytical laboratories, and executed chain-of-custody documentation, are included in Attachment B.

The analytical laboratory results for the samples tested as part of this Phase II ESA are summarized on the following tables. These tables also include applicable regulatory standards/guidance values and/or cleanup objectives.

| | |
|----------|--|
| Table 2a | <i>Summary of Detected Volatile Organic Compounds (VOCs) and TICs: Soil Samples</i> |
| Table 2b | <i>Summary of Detected VOCs and TICs: Groundwater Samples</i> |
| Table 3a | <i>Summary of Detected Semi-Volatile Organic Compounds (SVOCs) and TICs: Soil/Fill Samples</i> |
| Table 3b | <i>Summary of Detected SVOCs: Groundwater Samples</i> |
| Table 4a | <i>Summary of TAL Metals + Cyanide: Soil Sample</i> |
| Table 4b | <i>Summary of TAL Metals + Cyanide: Groundwater Samples</i> |

FINDINGS

This section describes the findings of the Phase II ESA based upon the work conducted to date.

Subsurface Conditions

Fill material/reworked soil was encountered in each of the test borings advanced for this study beginning at the ground surface with the exception of TB-05, which was installed through approximately 0.5 feet (ft.) of concrete floor in the warehouse portion of the 211 Franklin Street building. The fill material/reworked soil encountered in TB-01 through TB-07 extended to depths ranging from about 0.5 ft. below ground surface (bgs) in TB-01 to about 11 ft. bgs in TB-05. The fill material typically consisted of reworked soil comprised primarily of sand and gravel intermixed in some locations with brick fragments (i.e., within samples collected from test borings TB-01, TB-02, TB-05, and TB-07), ash (TB-02), concrete fragments (TB-05 and TB-07), apparent epoxy resin residue (TB-07) or coal residue (TB-07). Indigenous soil encountered below the fill generally consisted of fine to coarse sand and fine to coarse gravel, with suspected larger aggregate (e.g. cobbles, boulders). Equipment refusal (i.e., refusal of the direct-push drilling equipment) was encountered in test boring TB-06 at 12.0 ft. bgs. The remaining test borings were advanced to depths between 4 feet bgs (TB-07) and 33 feet bgs (TB-05) without encountering refusal. However, test borings TB-01 and TB-02 had to be offset several feet and re-advanced after encountering suspected larger aggregate in the native soils at depths of approximately 10 feet bgs and 12 feet bgs, respectively. [Note: Test borings TB-01 through TB-05 were initially advanced via direct-push drilling methods, and upon encountering refusal with the direct-push equipment the test borings were subsequently advanced via rotary drilling methodologies and sampled using split spoons.]

Evidence of potential environmental impact (i.e., petroleum-like odors and elevated PID readings) was identified during the advancement of test borings TB-01, TB-02, and TB-04. Specifically, beginning at a depth of about 20 ft. bgs PID readings in excess of 100 parts per million (ppm) were measured above soil samples collected from test boring TB-01, and these samples exhibited a petroleum-like odor. A maximum PID reading of 121 ppm was measured above the bottom-most sample collected from test boring TB-01 at a depth of about 26 ft. bgs, and this sample exhibited petroleum-like odors. The samples collected from test boring TB-02 contained petroleum-like odors, and elevated PID readings, beginning at a depth of about 18.0 ft. bgs. A maximum PID reading of 701 ppm was measured above the bottom-most sample collected from test boring TB-02, at a depth of about 26 ft. bgs, and this sample exhibited petroleum-like odors. The samples collected from test boring TB-04 began to exhibit petroleum-like odors, and elevated PID readings, at a depth of about

26 ft. bgs. A maximum PID reading of 279 ppm was measured above the bottom-most sample collected from test boring TB-04, at a depth of about 29 ft. bgs, and this sample exhibited petroleum-like odors. Apparent field evidence of environmental impact was not observed in the other test borings advanced during this study. Test boring TB-07 was advanced in an area of an approximate 0.1 foot thick layer of a hard solid black substance. However, the soil below the hard solid black substance did not exhibit apparent field evidence of impact.

As shown on Table 2a, the soil sample TB-02 (24') contained detectable concentrations of methylcyclohexane and tert-butylbenzene and soil sample TB-04 (30') contained no detectable concentrations of target list VOCs. However, the both samples TB-02 (24') and TB-04 (30') contained potentially elevated total concentrations of tentatively identified volatile organic compounds (TICs) of 155.2 mg/kg or parts per million (ppm) and 95.1 ppm, respectively. The concentration of the tert-butylbenzene detected in the sample TB-02(24') does not exceed the Unrestricted Use SCO. [Note: to date, the NYSDEC has not published a SCO for methylcyclohexane, and a SCO has not been established for TICs.]

As shown in Table 3a, several target list SVOCs (i.e., primarily polyaromatic hydrocarbons, PAHs) were detected in soil samples TB-02 (24'), TB-04 (30'), and TB-07 (3'), at concentrations below their respective Unrestricted Use SCOs. The soil samples TB-02 (24') and TB-04 (30') contained total concentrations of TICs of 56.6 ppm and 14.44 ppm respectively. The soil sample TB-07 (3') did not contain detectible concentrations of TICs.

As shown in Table 4a, the concentrations of the TAL Metals detected in the soil sample TB-02 (24') do not exceed their respective Unrestricted Use SCOs. Cyanide was not detected in the soil sample TB-02 (24') at a concentration greater than the laboratory detection limit of 0.094 ppm.

Note: Soil sample TB-02 (24') was tested for the presence of polychlorinated biphenyls (PCBs). However, PCBs were not detected in soil sample TB-02 (24') at concentrations above the laboratory method detection limit of 0.019 ppm.

Groundwater

On September 25, 2013, groundwater levels were measured in monitoring wells MW-A through MW-E. Figure 3 includes the calculated groundwater elevation determined for each location referenced to an arbitrary site-wide datum and the groundwater contours for the September 25, 2013 measurements. As depicted on Figure 3, groundwater flow in the area of the Site is generally toward the southeast. This flow direction could be locally modified by nearby pumping, subsurface structures, or other factors.

As shown on Table 2b, the groundwater samples collected from monitoring well MW-A through MW-E on September 19, 2012 contained detectable concentrations of one or more of the target list VOCs: acetone, 2-butanone (MEK), sec-butyl benzene, tert-butylbenzene, naphthalene, and toluene. The concentrations of tert-butylbenzene in MW-A and MW-B exceed the Class GA standard of 5 ug/l or parts per billion (ppb), and the concentration of acetone in MW-B exceed the Class GA guidance value of 50 ppb. The concentrations of the other target list VOCs detected in the groundwater samples from MW-A through MW-E do not exceed their respective Class GA standards

or guidance values. In addition, groundwater samples MW-A, MW-B, and MW-D contained total concentrations of TICs of 122.2 ppb, 615,200 ppb and 60.2 ppb, respectively.

As shown on Table 3b, the SVOCs bis(2-ethylhexyl)phthalate and di-n-butyl phthalate were detected in the groundwater sample collected from MW-E on September 19, 2013, but the concentrations do not exceed their respective groundwater standards.

As shown on Table 4b, TAL Metals in both groundwater samples tested. The concentrations of the following TAL metals, detected in groundwater sample collected from MW-B on September 19, 2013, exceed their respective Class GA standards or guidance values: arsenic, barium, beryllium, chromium, copper, iron, magnesium, manganese, sodium, nickel, lead, thallium, and zinc. The concentrations of the following TAL metals, detected in groundwater sample collected from MW-D on September 19, 2013, exceed their respective Class GA standards or guidance values: chromium, iron, magnesium, manganese, sodium, and lead.

Total petroleum hydrocarbons (TPH)¹ measured in the groundwater samples tested, are summarized below:

MW-A = 139 mg/l or ppm;
MW- B = 483 mg/l;
MW- C = Not detected at a concentration greater than 0.06 mg/l;
MW- D = 7.3 mg/l; and
MW- E = Not detected at a concentration greater than 0.05 mg/l.

The laboratory reported the above concentrations as ‘unidentified petroleum product’. However, the laboratory indicated that the GC fingerprint of the petroleum product identified in the groundwater samples tested was similar to #2 Fuel Oil, Ligroin (e.g., mineral spirits, petroleum naphtha, vm&p naphtha, etc.), and/or other oil, including lubricating and cutting oil, and silicon oil.

QA/QC Results

Quality assurance and quality control measures implemented by Spectrum, and ALS are described in the Analytical Data Packages prepared for the samples tested as part of this study (refer to Attachment B). As indicated in the Analytical Data Packages, the laboratory results are within the applicable acceptable ranges and thus “acceptable”. In addition, a trip blank accompanied the groundwater sample containers from the laboratory and, upon return, was tested for TCL VOCs + TICs. Target list VOCs were not detected in the trip blank at concentrations above the laboratory method detection limits. One TIC, identified as 2-2-chloroethoxy-ethanol was reported at a concentration of 1.5 ppb in the Trip Blank. Based upon the above considerations, the analytical laboratory data generated during this study is considered to be acceptable for use during this study.

¹ No regulatory standard or guidance values have been established for TPH. This test is used to evaluate the nature of the petroleum products and relative concentrations.

CONCLUSIONS AND RECOMMENDATIONS

Based upon this preliminary Phase II ESA it is concluded that:

- Historical uses of the Site and adjoining properties (i.e., identified as REC #1 and REC #2 in the Phase I ESA report) remain RECs for the reasons described below:
 - Evidence of apparent contamination (i.e., petroleum-type odors and elevated PID readings) was encountered within the saturated soil in test borings TB-01, and TB-02, and TB-04.
 - Soil samples collected from below the top of the apparent ground water table in test borings TB-02 and TB-04 contained non-target VOC compounds (i.e., TICs) at concentrations of 155.2 mg/Kg (or ppm) and 95.1 ppm (respectively) and non-target SVOC compounds (TICs) at concentrations of 14.44 ppm and 56.6 ppm, respectively. Groundwater samples collected from these locations (i.e., MW-B and MW-D, respectively) contained non-target VOC compounds (TICs) at concentrations of 0.0602 and 615.2 mg/l or ppm, respectively. A saturated soil sample from TB-01 was not tested for VOCs. However, a groundwater sample collected from this location (MW-A) contained concentration of non-target VOC compounds (TICs) at a concentration of 0.1222 ppm.
 - The concentrations of the VOC tert-butylbenzene in the groundwater samples collected from MW-A (i.e., 5.38 ug/l or ppb) and MW-B (3,130 ppb) exceed the Class GA standard of 5 ppb. In addition, the concentration of acetone in the groundwater sample collected from MW-B (i.e., 4,260 ppb) exceeds the Class GA guidance value of 50 ppb.
 - A groundwater sample collected from monitoring well MW-B contained concentrations of the metals arsenic, barium, beryllium, chromium, copper, iron, magnesium, manganese, sodium, nickel, lead, thallium, and zinc that exceeded applicable groundwater standards/guidance values established by the NYSDEC.

Based on the contaminants detected in the samples tested during this study, it appears that the groundwater and saturated soil are impacted by a combination of petroleum products, metals, acetone, and potentially other constituents. While the source of the contamination detected has not been conclusively determined, additional study is required to evaluate the nature and extent of the contamination identified at the Site.

Future studies, and possible remediation, should be conducted per NYSDEC requirements. This Site appears to be a candidate for inclusion in the Brownfield Cleanup Program (BCP), and consideration should be given to conducting future studies and remedial activities within this program.

If there are questions regarding this report, please contact this office.

Very truly yours,
Day Environmental, Inc.



Raymond Kampff
Associate Principal

Figures

- Figure 1: Project Locus Map
- Figure 2: Site Plan depicting test locations
- Figure 3: Groundwater Contour Map for September 25, 2013

Tables

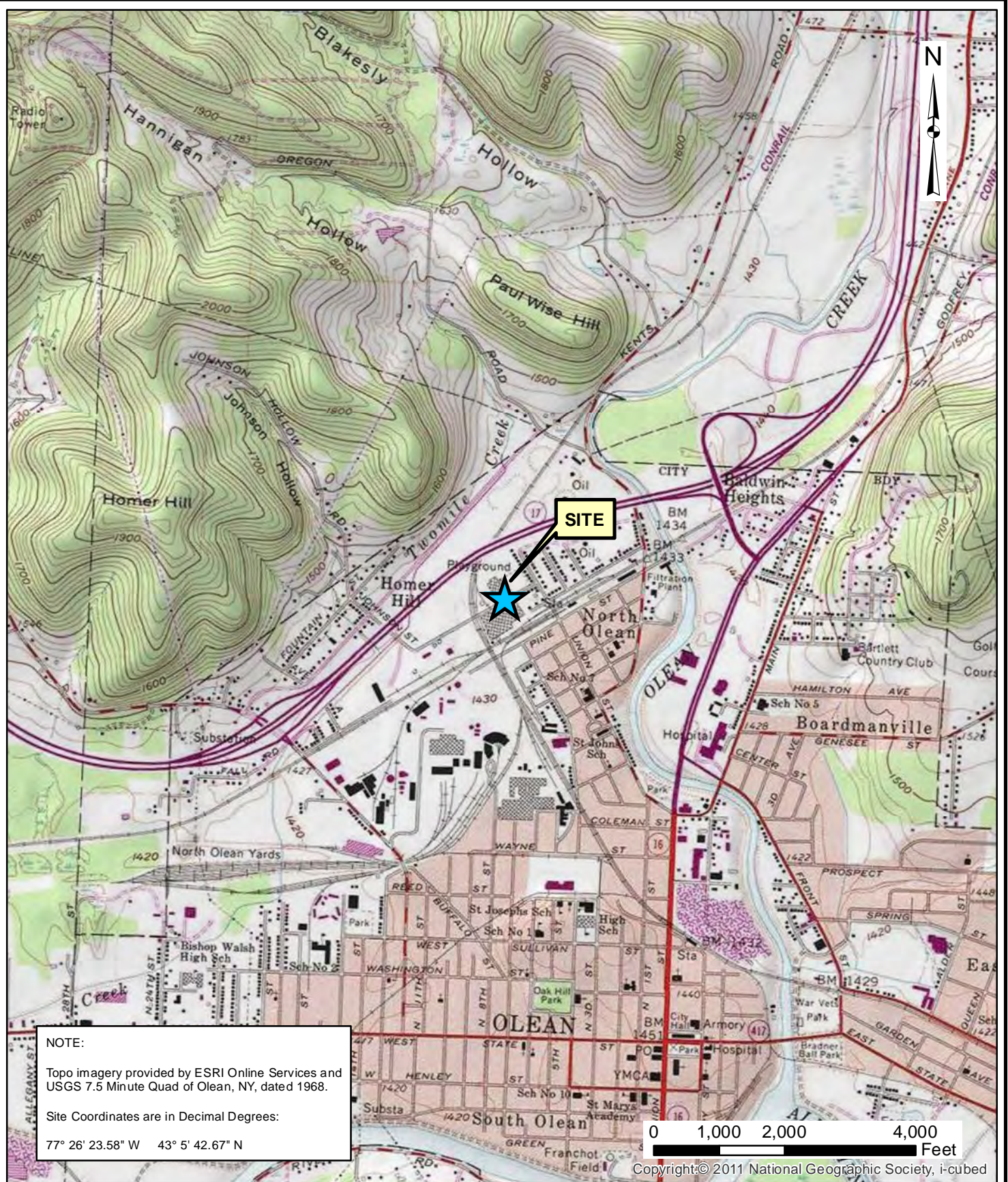
- Table 1: Analytical Laboratory Testing Program
- Table 2a: Summary of Detected Volatile Organic Compounds (VOCs) and TICs: Soil Samples
- Table 2b: Summary of Detected VOCs and TICs: Groundwater Samples
- Table 3a: Summary of Detected Semi-Volatile Organic Compounds (SVOCs) and TICs: Soil/Fill Samples
- Table 3b: Summary of Detected SVOCs: Groundwater Samples
- Table 4a: Summary of TAL Metals + Cyanide: Soil Sample
- Table 4b: Summary of TAL Metals + Cyanide: Groundwater Samples

Attachments

- Attachment A: Test Boring Logs/Monitoring Well Installation Diagrams
- Attachment B: Analytical Laboratory Report/ Chain-of-Custody Documentation

CAH0658/4884S-13

FIGURES



NOTE:
 Topo imagery provided by ESRI Online Services and USGS 7.5 Minute Quad of Olean, NY, dated 1968.
 Site Coordinates are in Decimal Degrees:
 77° 26' 23.58" W 43° 5' 42.67" N

0 1,000 2,000 4,000 Feet
 Copyright:© 2011 National Geographic Society, i-cubed

| | |
|----------|------------|
| Date | 09-19-2013 |
| Drawn By | CPS |
| Scale | AS NOTED |

day
DAY ENVIRONMENTAL, INC.
 Environmental Consultants
 Rochester, New York 14606
 New York, New York 10170

| | |
|---------------|---|
| Project Title | 211 FRANKLIN STREET, OLEAN, NEW YORK |
| Drawing Title | PHASE II ENVIRONMENTAL SITE ASSESSMENT Project Locus Map |

| | |
|-------------|----------|
| Project No. | 4884S-13 |
| | FIGURE 1 |



Legend

- Test boring
- Test boring / monitoring well
- Approximate property boundary



| | | | |
|-------------|----------|-------------|------------|
| DESIGNED BY | RLK | DATE | 09-2013 |
| DRAWN BY | CPS | DATE DRAWN | 09-2013 |
| SCALE | AS NOTED | DATE ISSUED | 09-16-2013 |

day
DAY ENVIRONMENTAL, INC.
 Environmental Consultants
 Rochester, New York 14606
 New York, New York 10170

Project Title
 211 FRANKLIN STREET
 OLEAN, NEW YORK

Project No.
 4884S-13

Drawing Title
 PHASE II ENVIRONMENTAL SITE ASSESSMENT

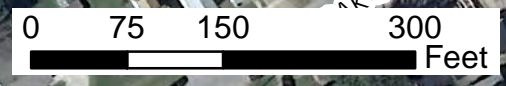
Site Plan

NOTE:

Test borings and monitoring wells were tape-measured in the field based on existing site features. These locations are to be considered approximate.

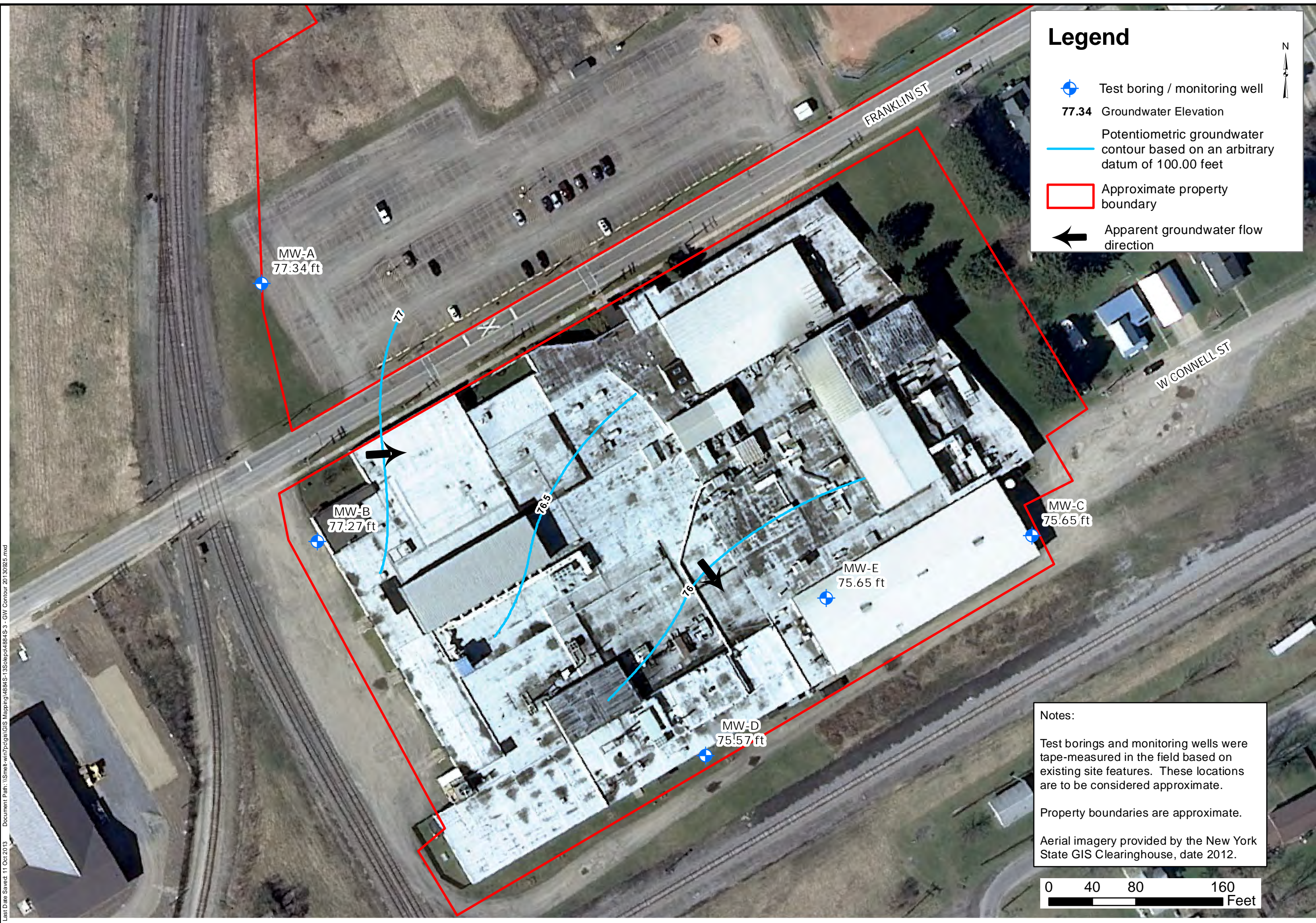
Property boundaries are approximate.

Aerial imagery provided by the New York State GIS Clearinghouse, date 2012.







Document Path: \\smelt-wm7p\dgis\GIS Mapping\4884S-13\Scale\04884S-1 - Site Plan.mxd
 Last Date Saved: 11 Oct 2013

Document Path: \\smeek-wm7\p\gis\GIS Mapping\884S-13\Scale\884S-13 - GW Contour 20130925.mxd
Last Date Saved: 11 Oct 2013



Legend

-  Test boring / monitoring well
- 77.34** Groundwater Elevation
-  Potentiometric groundwater contour based on an arbitrary datum of 100.00 feet
-  Approximate property boundary
-  Apparent groundwater flow direction

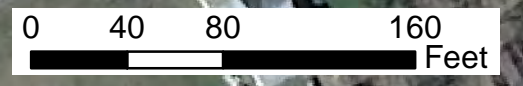


Notes:

Test borings and monitoring wells were tape-measured in the field based on existing site features. These locations are to be considered approximate.

Property boundaries are approximate.

Aerial imagery provided by the New York State GIS Clearinghouse, date 2012.



| | | | |
|-------------|----------|-------------|------------|
| DESIGNED BY | RLK | DATE | 10-2013 |
| DRAWN BY | CPS | DATE DRAWN | 10-2013 |
| SCALE | AS NOTED | DATE ISSUED | 10-08-2013 |

day
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Project Title
 211 FRANKLIN STREET
 OLEAN, NEW YORK

Project No.
 4884S-13

Drawing Title
 PHASE II ENVIRONMENTAL SITE ASSESSMENT

Groundwater Contour Map for September 25, 2013

FIGURE 3

TABLES

Table 1
Phase II Environmental Site Assessment
211 Franklin Street
Olean, NY

Analytical Laboratory Testing Program

| Sample Designation | Date Sampled | Matrix | Test Parameters |
|--------------------|--------------|-------------|--|
| TB-02 (24') | 9/11/2013 | Soil | TCL VOCs + TICs, TCL SVOCs + TICs, PCBs, TAL Metals + Cn |
| TB-04 (30') | 9/12/2013 | Soil | TCL VOCs + TICs, TCL SVOCs + TICs |
| TB-07 (3') | 9/13/2013 | Soil | TCL SVOCs + TICs |
| MW-A | 9/19/2013 | Groundwater | TCL VOCs + TICs, TCL SVOCs + TICs, TPH |
| MW-B | 9/19/2013 | Groundwater | TCL VOCs + TICs, TCL SVOCs + TICs, TAL Metals + Cn, TPH |
| MW-C | 9/19/2013 | Groundwater | TCL VOCs + TICs, TPH |
| MW-D | 9/19/2013 | Groundwater | TCL VOCs + TICs, TCL SVOCs + TICs, TAL Metals + Cn, TPH |
| MW-E | 9/19/2013 | Groundwater | TCL VOCs + TICs, TCL SVOCs + TICs, TPH |

Notes:

TCL VOCs = United States Environmental Protection Agency (USEPA) Target Compound List (TCL) Volatile Organic Compounds by USEPA Method 8260

TICs = Tentatively Identified Compounds

TCL SVOCs = USEPA TCL Semi-Volatile Organic Compounds (SVOCs) by USEPA Method 8270

PCBs = Polychlorinated biphenyls (PCBs) by United States Environmental Protection Agency (USEPA) Method 8082A

TAL Metals = USEPA Target Analyte List (TAL) Metals

THP = Total Petroleum Hydrocarbons

Cn = Cyanide

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Table 2a
Phase II Environmental Site Assessment
211 Franklin Street
Olean, NY

Summary of Detected Volatile Organic Compounds (VOCs) and TICS

Soil Samples

| Compound | Unrestricted SCO ⁽¹⁾ | Restricted Industrial SCO ⁽²⁾ | Test Location and Sample Date | |
|-------------------|------------------------------------|--|-------------------------------|--------------------------|
| | | | TB-02 (24') 9/11/2013 | TB-04 (30') 9/12/2013 |
| Methylcyclohexane | NS | NS | 2.7 | ND (0.044) |
| tert-Butylbenzene | 5.9 | 1000 | 0.16 J | ND (0.056) |
| | | | | |
| Total TICs | NS | NS | 155.2 | 95.1 |

Notes:

All results and SCO values are in parts per million (ppm)

J = Estimated concentration

ND (0.044) = Not detected at a concentration greater than the laboratory Method Detection Limit shown in parenthesis

NS = No Standard

(1) = Soil Cleanup Objective (SCO) for Unrestricted Use as referenced in 6 NYCRR Part 375 dated 12/14/06.

(2) = Soil Cleanup Objective (SCO) for Restricted Industrial Use as referenced in 6 NYCRR Part 375 dated 12/14/06.

TIC = Tentatively Identified Compound

The compound decahydro-2-methyl-Naphthalene was tentatively identified as a VOC in soil sample TB-12 (30') and TB-15A (24').

Table 2b
Phase II Environmental Site Assessment
211 Franklin Street
Olean, NY

Summary of Detected Volatile Organic Compounds (VOCs) and Tentatively Identified Compounds (TICs)
Groundwater Samples

| Compound | Groundwater Standard or Guidance Value ⁽¹⁾ | MW-A 09/19/13 | MW-B 09/19/13 | MW-C 09/19/13 | MW-D 09/19/13 | MW-E 09/19/13 |
|-------------------|---|------------------|------------------|------------------|------------------|------------------|
| Acetone | 50 | 10.1 | 4,260 J,D | ND (2.56) | ND (2.56) | 9.53 J |
| 2-Butanone (MEK) | 50 | 2.4 J | ND (1,930) D | ND (1.93) | ND (1.93) | ND (1.93) |
| sec-Butylbenzene | 5 | ND (0.82) | ND (820) D | ND (0.82) | 1.05 | ND (0.82) |
| tert-Butylbenzene | 5 | 5.38 | 3,130 D | ND (0.74) | 1.90 | ND (0.74) |
| Naphthalene | 10 | 0.59 J | ND (579) D | ND (0.58) | ND (0.58) | ND (0.58) |
| Toluene | 5 | ND (0.81) | ND (812) D | 0.84 J | ND (0.81) | ND (0.81) |
| Total TICs | NS | 122.2 | 615,200 | None | 60.2 | None |

Notes:

All values reported in µg/l or parts per billion (ppb)

(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000

NS = No Standard or Guidance Value

ND (0.82) = Not detected at concentrations above the analytical laboratory detection limits shown in parenthesis

D = Data reported from a dilution

J = Estimated value

5.38 = Exceeds groundwater standard or guidance value

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10/14/2013

Table 3a
Phase II Environmental Site Assessment
211 Franklin Street
Olean, NY

Summary of Detected Semi-Volatile Organic Compounds (SVOCs) and TICs

Soil Samples

| Compound | Unrestricted SCO ⁽¹⁾ | Restricted Industrial SCO ⁽²⁾ | Test Location and Sample Date | | |
|-----------------------------|------------------------------------|--|-------------------------------|--------------------------|-------------------------|
| | | | TB-02 (24') 9/11/2013 | TB-04 (30') 9/12/2013 | TB-07 (3') 9/13/2013 |
| Benz(a)anthracene | 1 | 11 | ND (0.056) | ND (0.057) | 0.260 J |
| Benzo(a)pyrene | 1 | 1.1 | ND (0.061) | ND (0.061) | 0.420 J |
| Benzo(b)fluoranthene | 1 | 11 | ND (0.088) | ND (0.089) | 0.360 J |
| Benzo(g,h,i)perylene | 100 | 1,000 | ND (0.069) | ND (0.070) | 0.360 J |
| Benzo(k)fluoranthene | 0.8 | 110 | ND (0.065) | ND (0.066) | 0.350 J |
| Bis(2-ethylhexyl) Phthalate | NS | NS | 0.180 J | 0.080 J | ND (0.170) |
| Chrysene | 1 | 110 | 0.057 J | ND (0.052) | 0.290 J |
| Fluoranthene | 100 | 1,000 | ND (0.058) | ND (0.059) | 0.450 J |
| Indeno(1,2,3-cd)pyrene | 0.5 | 11 | ND (0.060) | ND (0.061) | 0.300 J |
| Phenanthrene | 100 | 1,000 | 0.350 J | ND (0.050) | 0.240 J |
| Pyrene | 100 | 1,000 | ND (0.070) | ND (0.071) | 0.400 J |
| | | | | | |
| Total TICs | NS | NS | 56.6 | 14.44 | ND |

Notes:

All results and SCO values are in parts per million (ppm)

J = Estimated concentration

ND (0.070) = Not detected at a concentration greater than the laboratory Method Detection Limit shown in parenthesis

NS = No Standard

(1) = Soil Cleanup Objective (SCO) for Unrestricted Use as referenced in 6 NYCRR Part 375 dated 12/14/06.

(2) = Soil Cleanup Objective (SCO) for Restricted Industrial Use as referenced in 6 NYCRR Part 375 dated 12/14/06.

TIC = Tentatively Identified Compound

The compound decahydro-2-methyl-Naphthalene was tentatively identified as a SVOC in soil sample TB-12 (30') and TB-15A (24').

Table 3b
Phase II Environmental Site Assessment
211 Franklin Street
Olean, NY

Summary of Detected Semi-Volatile Organic Compounds (SVOCs)

Groundwater Samples

| Compound | Groundwater Standard or Guidance Value ⁽¹⁾ | MW-A 09/19/13 | MW-B 09/19/13 | MW-C 09/19/13 | MW-D 09/19/13 | MW-E 09/19/13 |
|----------------------------|---|------------------|------------------|------------------|------------------|------------------|
| Bis(2-ethylhexyl)phthalate | 5 | ND (56.7) D | ND (123) D | NT | ND (1.05) | 1.44 J |
| Di-n-butyl phthalate | 50 | ND (52.2) D | ND (123) D | NT | ND (0.969) | 4.07 J |

Notes:

All values reported in µg/l or parts per billion (ppb)

(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000

ND (56.7) = Not detected at concentrations above the analytical laboratory detection limits shown in parenthesis

D = Data reported from a dilution

J = Estimated value

Table 4a
Phase II ESA
211 Franklin Street
Olean, NY

Summary of Detected Target Analyte List (TAL) Metals

Soil Samples

| Analyte | Unrestricted SCO ⁽¹⁾ | Restricted Industrial SCO ⁽²⁾ | TB-02 (24') 9/11/2013 |
|-----------|------------------------------------|--|--------------------------|
| Aluminum | NS | NS | 5580 |
| Arsenic | 13 | 16 | 6.7 |
| Barium | 350 | 10,000 | 34.5 |
| Calcium | NS | NS | 42,200 |
| Chromium | 30 | 6,800 | 22 |
| Copper | 50 | 10,000 | 15.3 |
| Iron | NS | NS | 15,900 |
| Lead | 63 | 3,900 | 9.2 |
| Manganese | 1,600 | 10,000 | 697 |
| Nickel | 30 | 10,000 | 10.9 |
| Potassium | NS | NS | 619 |
| Vanadium | NS | NS | 9.8 |
| Zinc | 109 | 10,000 | 51.6 |

Notes:

All results and SCO values are in parts per million (ppm)

NS = No Standard

(1) = Soil Cleanup Objective (SCO) for Unrestricted Use as referenced in 6 NYCRR Part 375 dated 12/14/06.

(2) = Soil Cleanup Objective (SCO) for Restricted Industrial Use as referenced in 6 NYCRR Part 375 dated 12/14/06.

Table 4b
Phase II Environmental Site Assessment
211 Franklin Street
Olean, NY

Summary of Detected Target Analyte List (TAL) Metals
Groundwater Samples

| Analyte | Groundwater Standard or Guidance Value ⁽¹⁾ | MW-A 09/19/13 | MW-B 09/19/13 | MW-C 09/19/13 | MW-D 09/19/13 | MW-E 09/19/13 |
|-----------|---|------------------|------------------|------------------|------------------|------------------|
| Aluminum | NS | NT | 588,000 | NT | 28,900 | NT |
| Arsenic | 25 | NT | 1,030 | NT | 46 | NT |
| Barium | 1,000 | NT | 5,860 | NT | 42.8 | NT |
| Beryllium | 3 | NT | 25.7 | NT | 1.6 J | NT |
| Calcium | NS | NT | 2,840,000 D | NT | 288,000 D | NT |
| Cobalt | NS | NT | 484 | NT | 23.3 | NT |
| Chromium | 50 | NT | 2,140 | NT | 57.4 | NT |
| Copper | 200 | NT | 2,050 | NT | 167 | NT |
| Iron | 300 | NT | 1,220,000 | NT | 59,800 | NT |
| Potassium | NS | NT | 94,500 | NT | 9,800 | NT |
| Magnesium | 35,000 | NT | 557,000 D | NT | 67,900 | NT |
| Manganese | 300 | NT | 59,500 D | NT | 2,730 | NT |
| Sodium | 20,000 | NT | 191,000 | NT | 98,000 | NT |
| Nickel | 100 | NT | 1,120 | NT | 57.8 | NT |
| Lead | 25 | NT | 1,850 | NT | 78.4 | NT |
| Thallium | 0.5 | NT | 48.5 J | NT | ND (2.9) | NT |
| Vanadium | NS | NT | 846 | NT | 47.2 | NT |
| Zinc | 2,000 | NT | 6,560 | NT | 471 | NT |
| Mercury | 0.7 | NT | 0.49 J | NT | ND (0.08) | NT |
| Cyanide | 200 | NT | ND (3.6) | NT | ND (3.6) | NT |

Notes:

All values reported in µg/l or parts per billion (ppb)

(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000

NS = No Standard or Guidance Value

ND (3.6) = Not detected at concentrations above the analytical laboratory detection limits shown in parenthesis

D = Data reported from a dilution

J = Estimated value

NT = Not Tested

2,140 = Exceeds groundwater standard or guidance value

ATTACHMENT A
TEST BORING LOGS
AND
MONITORING WELL INSTALLATION DIAGRAMS



DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS

AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 4884S-13
 Project Address: 211 Franklin Street
Olean, NY
 DAY Representative: Z. Tennies
 Drilling Contractor: Applus
 Sampling Method: Direct Push & Split Spoon

Test Boring TB-01

Page 2 of 2

Ground Elevation: _____ Datum: _____
 Date Started: 9/10/2013 Date Ended: 9/10/2013
 Borehole Depth: 27.0' Borehole Diameter: 4"
 Completion Method: Well Installed Backfilled with Grout Backfilled with Cuttings
 Water Level (Date): 18.8'

| Depth (ft) | Blows per 0.5 ft. | Sample Number | Sample Depth (ft) | % Recovery | N-Value or RQD% | Headspace PID (ppm) | PID Reading (ppm) | Sample Description | Notes |
|------------|-------------------|---------------|-------------------|------------|-----------------|---------------------|---------------------|--|-------|
| 17 | | | | | | | 5.0 | | |
| 18 | | | | | | | | | |
| 19 | | | | | | | | | |
| 20 | | | | | | | | | |
| 21 | | S-6 | 20-22 | 67 | 57 | | 101 25.7 81.1 | Very dense, Gray, Silty fine to coarse SAND and medium to coarse GRAVEL, moist petroleum/chemical odor | |
| 22 | | | | | | | | | |
| 23 | | | | | | | | | |
| 24 | | | | | | | | | |
| 25 | | | | | | | 13 | Gray, Silty fine to medium SAND, wet, petroleum/chemical odor | |
| 26 | | S-7 | 25-27 | 65 | 44 | | 42.2 121 | Dense, Gray, Silty fine to coarse SAND and medium to coarse GRAVEL, wet, petroleum/chemical odor | |
| 27 | | | | | | | | End of Boring @ 27.0' | |
| 28 | | | | | | | | | |
| 29 | | | | | | | | | |
| 30 | | | | | | | | | |
| 31 | | | | | | | | | |
| 32 | | | | | | | | | |

- Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 2) Stratification lines represent approximate boundaries. Transitions may be gradual.
 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
 4) NA = Not Available or Not Applicable
 5) Headspace PID readings may be influenced by moisture

Test Boring TB-01

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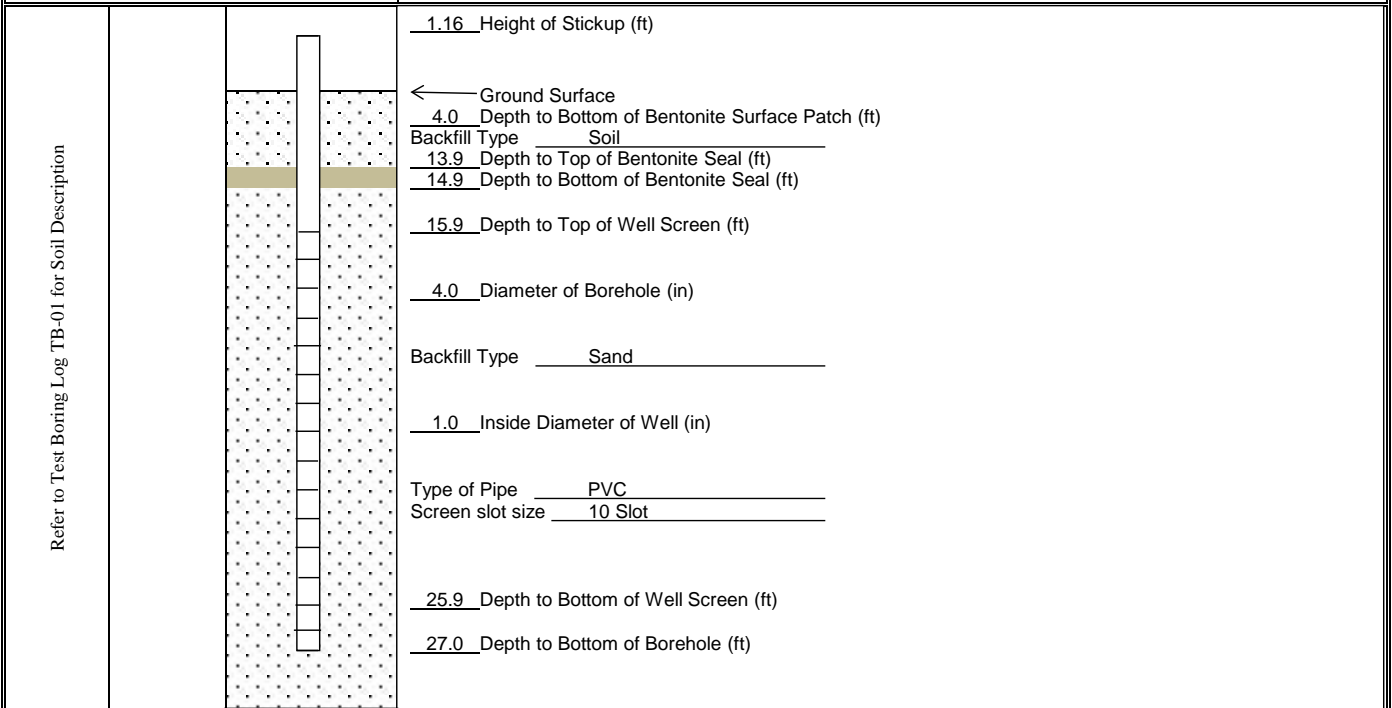


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MONITORING WELL CONSTRUCTION DIAGRAM

| | | |
|---|--------------------------------------|-----------------------------|
| Project #: 4884S-13 | | MONITORING WELL MW-A |
| Project Address: 211 Franklin Street Olean, New York | Ground Elevation: 95.66' | Datum: 100' |
| DAY Representative: Z. Tennies | Date Started: 9/10/2013 | Date Ended: 9/10/2013 |
| Drilling Contractor: Applus | Water Level (Date): 77.34' (9-25-13) | |



Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-A

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Project #: 4884S-13
 Project Address: 211 Franklin Street
Olean, NY
 DAY Representative: Z. Tennies
 Drilling Contractor: Applus
 Sampling Method: Direct Push & Split Spoon

Test Boring TB-02

Page 2 of 2

Ground Elevation: _____ Datum: _____
 Date Started: 9/10/2013 Date Ended: 9/11/2013
 Borehole Depth: 28.0' Borehole Diameter: 4"
 Completion Method: Well Installed Backfilled with Grout Backfilled with Cuttings
 Water Level (Date): 20.61' (9/11/13) through augers

| Depth (ft) | Blows per 0.5 ft. | Sample Number | Sample Depth (ft) | % Recovery | N-Value or RQD% | Headspace PID (ppm) | PID Reading (ppm) | Sample Description | Notes |
|------------|-------------------|---------------|-------------------|------------|-----------------|---------------------|-------------------|--|-----------------------------------|
| 17 | | | | | | | | | |
| 18 | 37 | | | | | | 41.9 | Very dense, Gray-Brown, silty fine to coarse SAND, some medium to coarse Gravel, moist, chemical/petroleum odor | |
| 19 | 50 | S-9 | 18-19.5 | 60 | 50+ | 117 | 55.4 | | |
| | 50/4 | | | | | | | | |
| 20 | | | | | | | 8.5 | | |
| 21 | 37 | S-10 | 20-21 | 45 | 50+ | 84.5 | | | |
| | 50/4 | | | | | | 31.1 | | |
| 22 | | | | | | | | | |
| 23 | 14 | S-11 | 22-24 | 80 | 51 | 750 | 122 | Gray, fine to coarse SAND and fine to coarse GRAVEL, wet, strong chemical/ petroleum odor | |
| | 24 | | | | | | 359 | | |
| | 27 | | | | | | | | |
| 24 | 20 | | | | | | | | |
| 25 | 24 | S-12 | 24-25.8 | 75 | | | 605 | ...trace Silt | Petroleum sheen observed at 25.0' |
| | 24 | | | | | | 237 | | |
| | 50 | | | | | | 305 | | |
| 26 | 50.3 | | | | | | 278 | | |
| | 37 | | | | | | 701 | | |
| 27 | 50/4 | S-13 | 26-27 | 43 | 50+ | 67.2 | 283 | | |
| 28 | | | | | | | | | |
| 29 | | | | | | | | Bottom of Hole @ 28.0' | |
| 30 | | | | | | | | | |
| 31 | | | | | | | | | |
| 32 | | | | | | | | | |

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.

2) Stratification lines represent approximate boundaries. Transitions may be gradual.

3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.

4) NA = Not Available or Not Applicable

5) Headspace PID readings may be influenced by moisture

Test Boring TB-02

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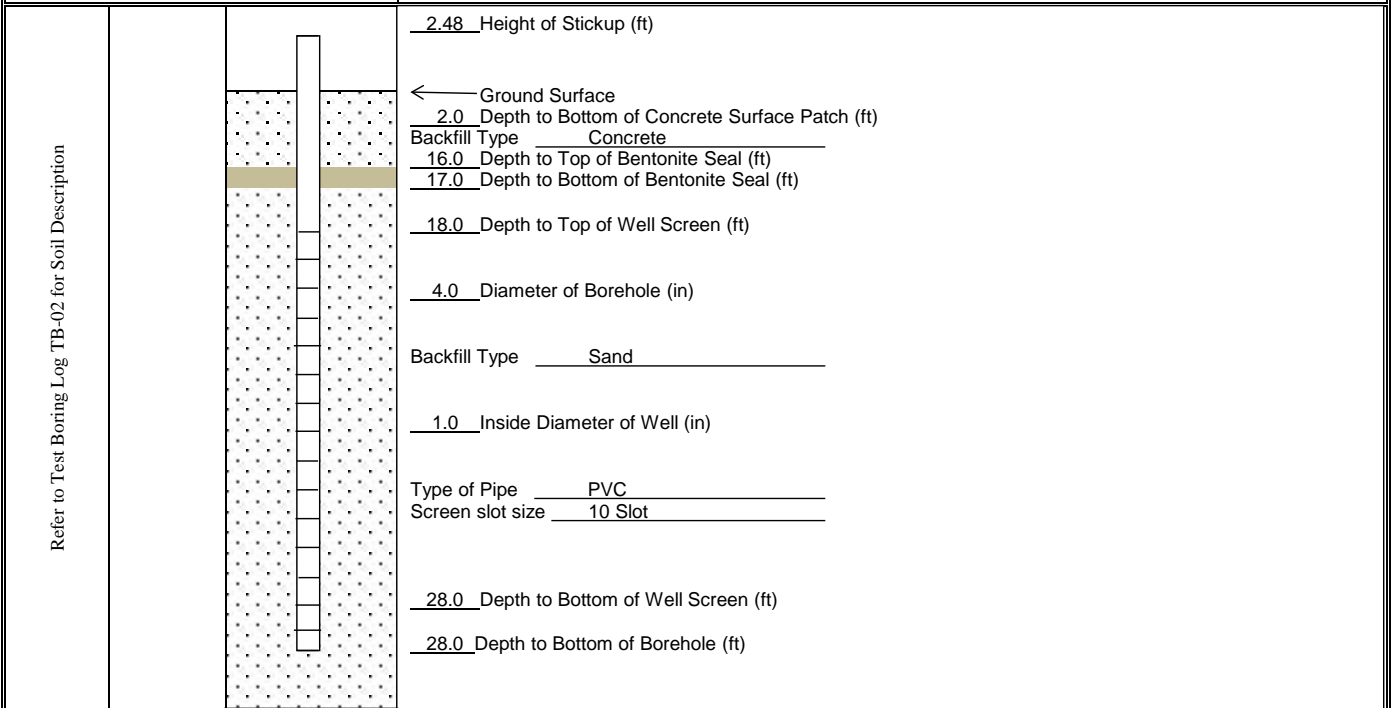
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AN AFFILIATE OF DAY ENGINEERING, P.C.

MONITORING WELL CONSTRUCTION DIAGRAM

| | | | |
|---|---|------------------------------|-----------------------------|
| Project #: <u>4884S-13</u> | | | MONITORING WELL MW-B |
| Project Address: <u>211 Franklin Street</u> <u>Olean, New York</u> | Ground Elevation: <u>97.84'</u> | Datum: <u>100'</u> | |
| DAY Representative: <u>Z. Tennies</u> | Date Started: <u>9/11/2013</u> | Date Ended: <u>9/11/2013</u> | |
| Drilling Contractor: <u>Applus</u> | Water Level (Date): <u>77.27' (9-25-13)</u> | | |



Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 2) NA = Not Available or Not Applicable

MONITORING WELL MW-B

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Project #: 4884S-13
 Project Address: 211 Franklin Street
Olean, NY
 DAY Representative: Z. Tennies
 Drilling Contractor: Applus
 Sampling Method: Split Spoon

Ground Elevation: _____ Datum: _____
 Date Started: 9/11/2013 Date Ended: 9/11/2013
 Borehole Depth: 28.0' Borehole Diameter: 4"
 Completion Method: Well Installed Backfilled with Grout Backfilled with Cuttings
 Water Level (Date): 22.73' (9/12/13) through augers

Test Boring TB-03

| Depth (ft) | Blows per 0.5 ft. | Sample Number | Sample Depth (ft) | % Recovery | N-Value or RQD% | Headspace PID (ppm) | PID Reading (ppm) | Sample Description | Notes |
|------------|-------------------|---------------|-------------------|------------|-----------------|---------------------|-------------------|---|----------------------|
| 1 | 4 | S-1 | | 100 | 11 | | 0.2 | Gray-Brown, some crushed Rock, some fine to coarse Sand, damp (FILL) | Monitoring Well MW-C |
| | 5 | | | | | | 0.0 | | |
| | 6 | | | | | | 0.2 | | |
| 2 | 6 | S-2 | | 50 | 11 | | 0.0 | | |
| | 6 | | | | | | 0.0 | | |
| | 5 | | | | | | 0.0 | | |
| 3 | 6 | S-3 | | 43 | 13 | | 0.0 | Dense, Brown, Silty medium to coarse SAND, some medium to coarse Gravel, damp | |
| | 7 | | | | | | 0.0 | | |
| | 6 | | | | | | 0.0 | | |
| 4 | 8 | S-4 | | 56 | 11 | | 0.0 | ...very dense, trace fine Gravel, moist | |
| | 4 | | | | | | 0.0 | | |
| | 7 | | | | | | 0.0 | | |
| 5 | 7 | S-5 | | 39 | 10 | | 0.0 | Dense, Brown, medium to coarse SAND and fine to medium GRAVEL, little Silt, moist | |
| | 4 | | | | | | 0.0 | | |
| | 5 | | | | | | 0.0 | | |
| 6 | 10 | S-6 | | 59 | 34 | | 0.0 | ...very dense, Gray-Brown | |
| | 14 | | | | | | 0.0 | | |
| | 20 | | | | | | 0.0 | | |
| 7 | 25 | S-7 | | 58 | 43 | | 0.0 | | |
| | 10 | | | | | | 0.0 | | |
| | 20 | | | | | | 0.0 | | |
| 8 | 23 | S-8 | | 59 | 67 | | 0.0 | | |
| | 14 | | | | | | 0.0 | | |
| | 25 | | | | | | 0.0 | | |
| 9 | 8 | | | | | | 0.2 | | |
| | 28 | | | | | | 0.0 | | |
| | 39 | | | | | | 0.0 | | |
| 10 | 45 | | | | | | 0.0 | | |
| | | | | | | | 0.0 | | |

- Notes:**
- 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 - 2) Stratification lines represent approximate boundaries. Transitions may be gradual.
 - 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
 - 4) NA = Not Available or Not Applicable
 - 5) Headspace PID readings may be influenced by moisture

Test Boring TB-03

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ENVIRONMENTAL CONSULTANTS

AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 4884S-13
 Project Address: 211 Franklin Street
Olean, NY
 DAY Representative: Z. Tennies
 Drilling Contractor: Applus
 Sampling Method: Split Spoon

Ground Elevation: _____ Datum: _____
 Date Started: 9/11/2013 Date Ended: 9/11/2013
 Borehole Depth: 28.0' Borehole Diameter: 4"
 Completion Method: Well Installed Backfilled with Grout Backfilled with Cuttings
 Water Level (Date): 22.73' (9/12/13)

Test Boring TB-03

Page 2 of 2

| Depth (ft) | Blows per 0.5 ft. | Sample Number | Sample Depth (ft) | % Recovery | N-Value or RQD% | Headspace PID (ppm) | PID Reading (ppm) | Sample Description | Notes |
|------------|-------------------|---------------|-------------------|------------|-----------------|---------------------|-------------------|--|-------|
| 17 | 35 | S-9 | | 58 | 94 | | 0.0 | Very dense, Gray-Brown, medium to coarse SAND and fine to coarse GRAVEL, little Silt, moist | |
| | 44 | | | | | | 0.4 | | |
| | 50/4 | | | | | | 0.0 | | |
| 18 | 17 | S-10 | | 46 | 79 | | 0.0 | | |
| | 39 | | | | | | 0.0 | | |
| | 40 | | | | | | 0.0 | | |
| 20 | 25 | | | | | | 0.0 | | |
| | 10 | | | | | | 0.0 | | |
| 21 | 11 | S-11 | | 58 | 21 | | 0.0 | | |
| | 10 | | | | | | 0.0 | | |
| 22 | 9 | | | | | | 0.0 | Medium dense, Gray-Brown, fine to coarse SAND, some fine to coarse GRAVEL, little Silt, wet | |
| | 10 | | | | | | 0.0 | | |
| | 8 | | | | | | 0.0 | | |
| 23 | 10 | S-12 | | 27 | 18 | | 0.0 | | |
| | 18 | | | | | | 0.0 | | |
| | 15 | | | | | | 0.8 | | |
| 25 | 20 | S-13 | | 73 | 43 | | 0.2 | Very dense, Gray-Brown, fine to coarse SAND and fine to medium GRAVEL, trace Silt | |
| | 23 | | | | | | 0.0 | | |
| | 17 | | | | | | 0.2 | | |
| 26 | 17 | | | | | | 0.0 | ...some fine rounded Gravel | |
| | 18 | | | | | | 0.0 | | |
| | 20 | | | | | | 0.0 | | |
| 27 | 17 | S-14 | | 65 | 37 | | 0.0 | | |
| | 9 | | | | | | 0.0 | | |
| 28 | | | | | | | | End of Boring @ 28.0' | |
| 29 | | | | | | | | | |
| 30 | | | | | | | | | |
| 31 | | | | | | | | | |
| 32 | | | | | | | | | |

- Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 2) Stratification lines represent approximate boundaries. Transitions may be gradual.
 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
 4) NA = Not Available or Not Applicable
 5) Headspace PID readings may be influenced by moisture

Test Boring TB-03

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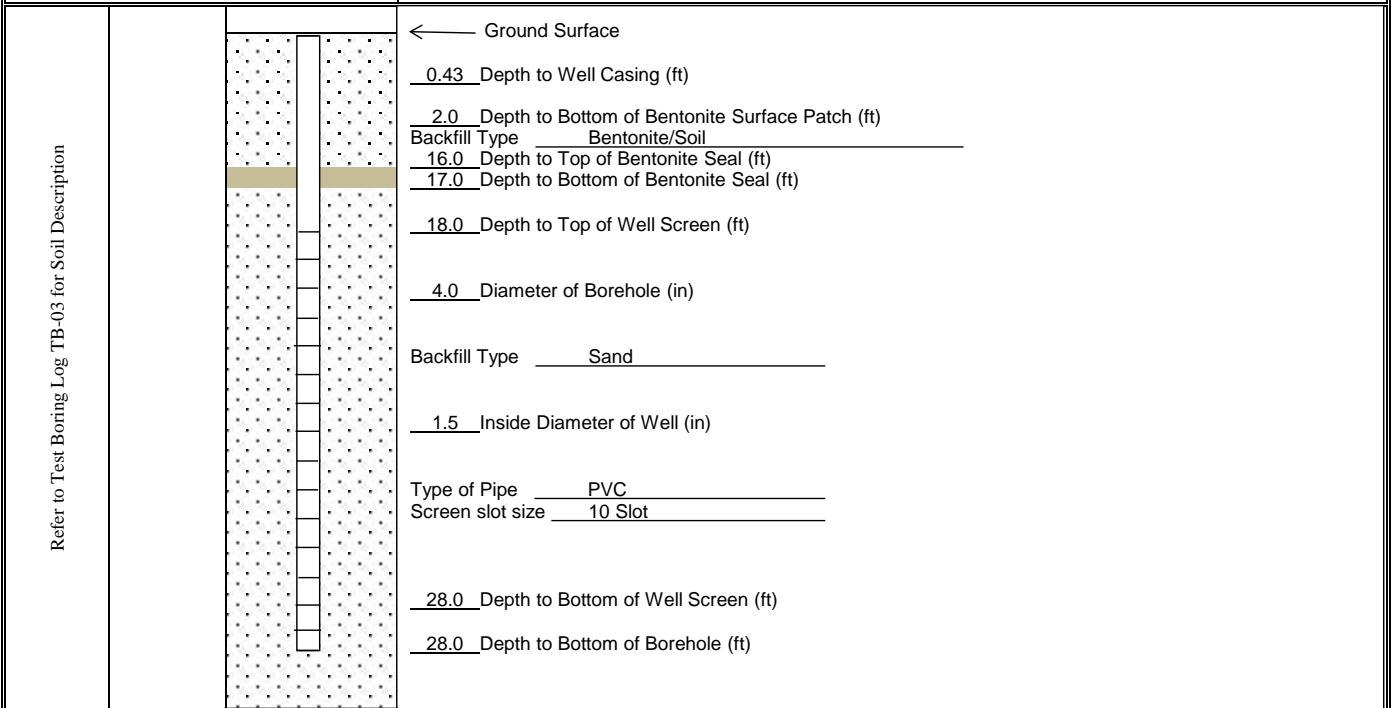
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MONITORING WELL CONSTRUCTION DIAGRAM

| | | | |
|---|---|------------------------------|-----------------------------|
| Project #: <u>4884S-13</u> | | | MONITORING WELL MW-C |
| Project Address: <u>211 Franklin Street</u> | | | |
| <u>Olean, New York</u> | Ground Elevation: <u>98.26'</u> | Datum: <u>100'</u> | |
| DAY Representative: <u>Z. Tennies</u> | Date Started: <u>9/11/2013</u> | Date Ended: <u>9/12/2013</u> | |
| Drilling Contractor: <u>Applus</u> | Water Level (Date): <u>75.65' (9-25-13)</u> | | |



Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 2) NA = Not Available or Not Applicable

MONITORING WELL MW-C

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AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 4884S-13
 Project Address: 211 Franklin Street
Olean, NY
 DAY Representative: Z. Tennies
 Drilling Contractor: Applus
 Sampling Method: Split Spoon

Ground Elevation: _____ Datum: _____
 Date Started: 9/12/2013 Date Ended: 9/12/2013
 Borehole Depth: 30.0' Borehole Diameter: 4"
 Completion Method: Well Installed Backfilled with Grout Backfilled with Cuttings
 Water Level (Date): 23.7' (9/12/13) through augers

Test Boring TB-04

Page 1 of 2

| Depth (ft) | Blows per 0.5 ft. | Sample Number | Sample Depth (ft) | % Recovery | N-Value or RQD% | Headspace PID (ppm) | PID Reading (ppm) | Sample Description | Notes |
|------------|-------------------|---------------|-------------------|------------|-----------------|---------------------|-------------------|--|----------------------|
| 1 | 7 | S-1 | 0-2 | 32 | 11 | | 0.0 | Brown, Sand and Gravel, little Roots, damp (FILL) | Monitoring Well MW-D |
| | 5 | | | | | | 0.0 | | |
| 2 | 6 | S-2 | 2-4 | 56 | 9 | | 0.0 | Loose Brown, coarse SAND, some fine to medium Gravel, trace Silt, damp | |
| | 5 | | | | | | 0.0 | | |
| 3 | 4 | S-3 | 4-6 | 33 | 14 | | 0.0 | ...medium dense | |
| | 5 | | | | | | 0.0 | | |
| 4 | 7 | S-4 | 6-8 | 61 | 39 | | 0.0 | Dense, Brown, fine to coarse SAND and coarse GRAVEL, trace Silt, damp | |
| | 6 | | | | | | 0.0 | | |
| 5 | 8 | S-5 | 8-10 | 46 | 52 | | 0.0 | ...very dense | |
| | 12 | | | | | | 0.0 | | |
| 6 | 15 | S-6 | 15-16 | 58 | 58 | | 0.0 | ...some Silt, moist | |
| | 18 | | | | | | 0.0 | | |
| 7 | 21 | | | | | | 0.0 | | |
| | 30 | | | | | | 0.0 | | |
| 8 | 15 | | | | | | 0.0 | | |
| | 22 | | | | | | 0.0 | | |
| 9 | 30 | | | | | | 0.0 | | |
| | 40 | | | | | | 0.0 | | |
| 10 | | | | | | | | | |
| | | | | | | | | | |
| 11 | | | | | | | | | |
| | | | | | | | | | |
| 12 | | | | | | | | | |
| | | | | | | | | | |
| 13 | | | | | | | | | |
| | | | | | | | | | |
| 14 | | | | | | | | | |
| | | | | | | | | | |
| 15 | 9 | | | | | | 0.0 | | |
| | 17 | | | | | | 0.0 | | |
| 16 | 41 | | | | | | 0.0 | | |
| | | | | | | | | | |

- Notes:**
- 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 - 2) Stratification lines represent approximate boundaries. Transitions may be gradual.
 - 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
 - 4) NA = Not Available or Not Applicable
 - 5) Headspace PID readings may be influenced by moisture

Test Boring TB-04

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 FAX (585) 454-0825

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 FAX (212) 986-8657



DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS

AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 4884S-13
 Project Address: 211 Franklin Street
Olean, NY
 DAY Representative: Z. Tennies
 Drilling Contractor: Applus
 Sampling Method: Split Spoon

Ground Elevation: _____ Datum: _____
 Date Started: 9/12/2013 Date Ended: 9/12/2013
 Borehole Depth: 30.0' Borehole Diameter: 4"
 Completion Method: Well Installed Backfilled with Grout Backfilled with Cuttings
 Water Level (Date): 23.73' (9/12/13)

Test Boring TB-04

Page 2 of 2

| Depth (ft) | Blows per 0.5 ft. | Sample Number | Sample Depth (ft) | % Recovery | N-Value or RQD% | Headspace PID (ppm) | PID Reading (ppm) | Sample Description | Notes |
|------------|-------------------|---------------|-------------------|------------|-----------------|---------------------|--------------------------|---|-------|
| 17 | 35 | | | | | | 0.0 0.0 | Very dense, Brown, medium to coarse SAND and fine to coarse GRAVEL, some Silt, moist | |
| 18 | | | | | | | | | |
| 19 | | | | | | | | | |
| 20 | | | | | | | | | |
| 21 | | | | | | | | | |
| 22 | | | | | | | | | |
| 23 | | S-7 | 22-24 | 73 | 68 | | 0.0 0.0 0.0 0.0 | | |
| 24 | | | | | | | | | |
| 25 | | S-8 | 24-26 | 44 | | | 0.0 0.0 0.0 0.0 | ...Gray-Brown, little Silt | |
| 26 | | | | | | | | | |
| 27 | | S-9 | 26-28 | 55 | 57 | | 37.6 157 153 | Very dense, Dark Gray, fine to coarse SAND and fine to coarse Gravel, some Silt, wet ...petroleum odor | |
| 28 | | | | | | | 60.1 | | |
| 29 | | S-10 | 28-30 | 70 | 40 | | 184 279 170 236 | ...Dense, fine to coarse SAND and medium to coarse GRAVEL, petroleum odor | |
| 30 | | | | | | | | | |
| 31 | | | | | | | | End of Boring @ 30.0' | |
| 32 | | | | | | | | | |

- Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 2) Stratification lines represent approximate boundaries. Transitions may be gradual.
 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
 4) NA = Not Available or Not Applicable
 5) Headspace PID readings may be influenced by moisture

Test Boring TB-04

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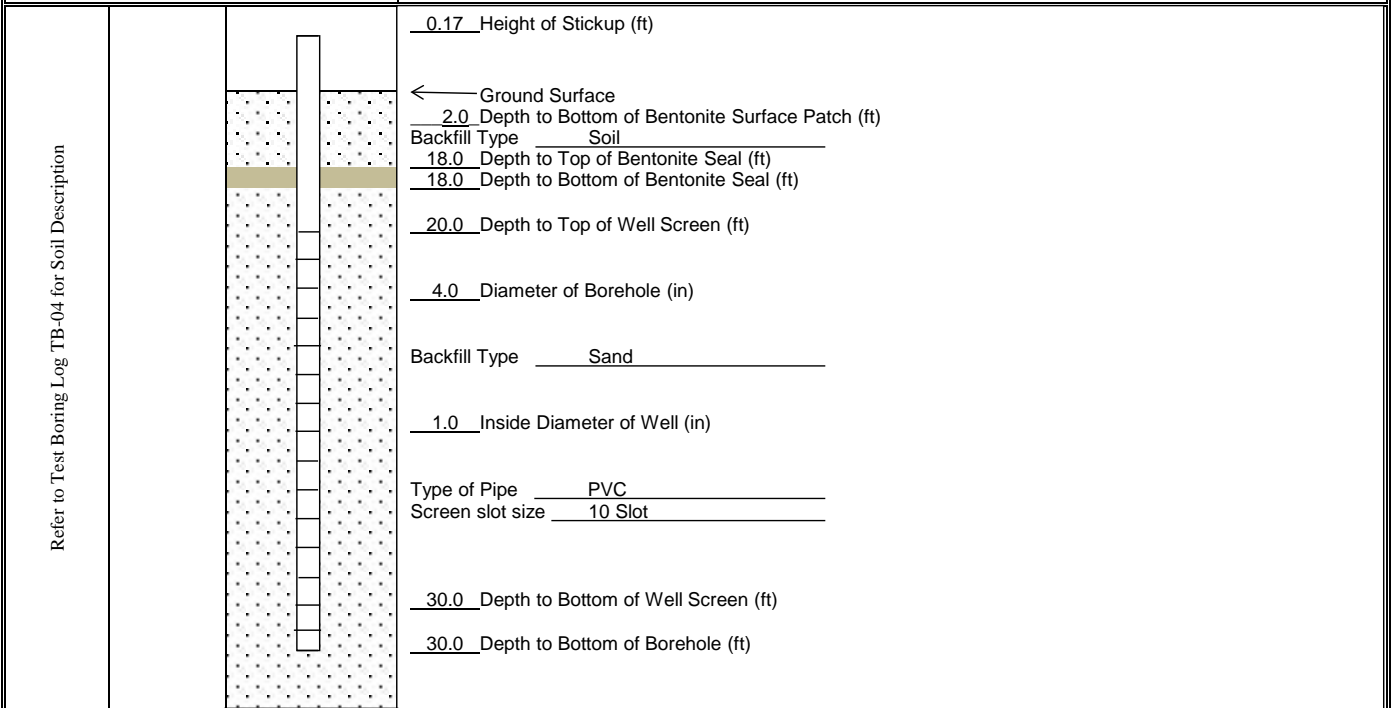
DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS

AN AFFILIATE OF DAY ENGINEERING, P.C.

MONITORING WELL CONSTRUCTION DIAGRAM

| | | | |
|---|---|------------------------------|-----------------------------|
| Project #: <u>4884S-13</u> | | | MONITORING WELL MW-D |
| Project Address: <u>211 Franklin Street</u> | | | |
| <u>Olean, New York</u> | Ground Elevation: <u>99.28'</u> | Datum: <u>100'</u> | |
| DAY Representative: <u>Z. Tennes</u> | Date Started: <u>9/12/2013</u> | Date Ended: <u>9/12/2013</u> | |
| Drilling Contractor: <u>Applus</u> | Water Level (Date): <u>75.57' (9-25-13)</u> | | |



Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 2) NA = Not Available or Not Applicable

MONITORING WELL MW-D

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AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 4884S-13
 Project Address: 211 Franklin Street
Olean, NY
 DAY Representative: Z. Tennies
 Drilling Contractor: Applus
 Sampling Method: Direct Push & Split Spoon

Test Boring TB-05

Page 1 of 2

Ground Elevation: _____ Datum: _____
 Date Started: 9/12/2013 Date Ended: 9/13/2013
 Borehole Depth: 33.0' Borehole Diameter: 4"
 Completion Method: Well Installed Backfilled with Grout Backfilled with Cuttings
 Water Level (Date): 26.63' (9/13/13) through augers

| Depth (ft) | Blows per 0.5 ft. | Sample Number | Sample Depth (ft) | % Recovery | N-Value or RQD% | Headspace PID (ppm) | PID Reading (ppm) | Sample Description | Notes |
|------------|-------------------|---------------|-------------------|------------|-----------------|---------------------|-------------------|---|----------------------|
| 1 | | | | | | | 0.0 | CONCRETE | Monitoring Well MW-E |
| 2 | | S-1 | 0-4 | 51 | | | 0.0 | Brown, Sand and Gravel, with some Red Brick and Concrete, damp (FILL) | |
| 3 | | | | | | | 0.0 | | |
| 4 | | | | | | | 0.0 | | |
| 5 | | | | | | | 0.0 | | |
| 6 | | S-2 | 4-8 | 73 | | | 0.0 | | |
| 7 | | | | | | | 0.0 | | |
| 8 | | | | | | | 0.0 | | |
| 9 | | | | | | | 0.0 | | |
| 10 | | S-3 | 8-12 | 75 | | | 0.0 | | |
| 11 | | | | | | | 0.0 | Brown, medium to coarse SAND and fine GRAVEL, moist | |
| 12 | | | | | | | 0.0 | | |
| 13 | | | | | | | 0.0 | | |
| 14 | | S-4 | 12-16 | 85 | | | 0.0 | | |
| 15 | | | | | | | 0.0 | Brown, Silty medium to coarse SAND, some fine Gravel, moist | |
| 16 | | | | | | | 0.0 | | |

- Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 2) Stratification lines represent approximate boundaries. Transitions may be gradual.
 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
 4) NA = Not Available or Not Applicable
 5) Headspace PID readings may be influenced by moisture

Test Boring TB-05

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ENVIRONMENTAL CONSULTANTS

AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 4884S-13
 Project Address: 211 Franklin Street
Olean, NY
 DAY Representative: Z. Tennies
 Drilling Contractor: Applus
 Sampling Method: Direct Push & Split Spoon

Test Boring TB-05

Page 2 of 2

Ground Elevation: _____ Datum: _____
 Date Started: 9/12/2013 Date Ended: 9/13/2013
 Borehole Depth: 33.0' Borehole Diameter: 4"
 Completion Method: Well Installed Backfilled with Grout Backfilled with Cuttings
 Water Level (Date): 26.63' (9/13/13)

| Depth (ft) | Blows per 0.5 ft. | Sample Number | Sample Depth (ft) | % Recovery | N-Value or RQD% | Headspace PID (ppm) | PID Reading (ppm) | Sample Description | Notes |
|------------|-------------------|---------------|-------------------|------------|-----------------|---------------------|-------------------|--------------------|--|
| 17 | | | | | | | | | Test boring advanced to 16.6 feet bgs via direct push methods and completed to 33.0 feet bgs with H S A with split spoon samples collected at 5-foot intervals Brown, Silty fine to coarse SAND, some fine Gravel, moist ...wet ...Gray-Brown, some fine to coarse Gravel Bottom of Hole @ 33.0' |
| 18 | | | 16-20 | | | | | | |
| 19 | | | | | | | | | |
| 20 | | S-5 | 20-21 | 10.5 | | | 0.0 | | |
| 21 | | | | | | | | | |
| 22 | | | | | | | | | |
| 23 | | | | | | | | | |
| 24 | | | | | | | | | |
| 25 | | | | | | | | | |
| 26 | | S-6 | 25-27 | | | | | | |
| 27 | | | | | | | | | |
| 28 | | | | | | | | | |
| 29 | | | | | | | | | |
| 30 | | | | | | | | | |
| 31 | | S-7 | 30-32 | | | | 0.6 0.2 0.4 | | |
| 32 | | | | | | | | | |

- Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 2) Stratification lines represent approximate boundaries. Transitions may be gradual.
 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
 4) NA = Not Available or Not Applicable
 5) Headspace PID readings may be influenced by moisture

Test Boring TB-05

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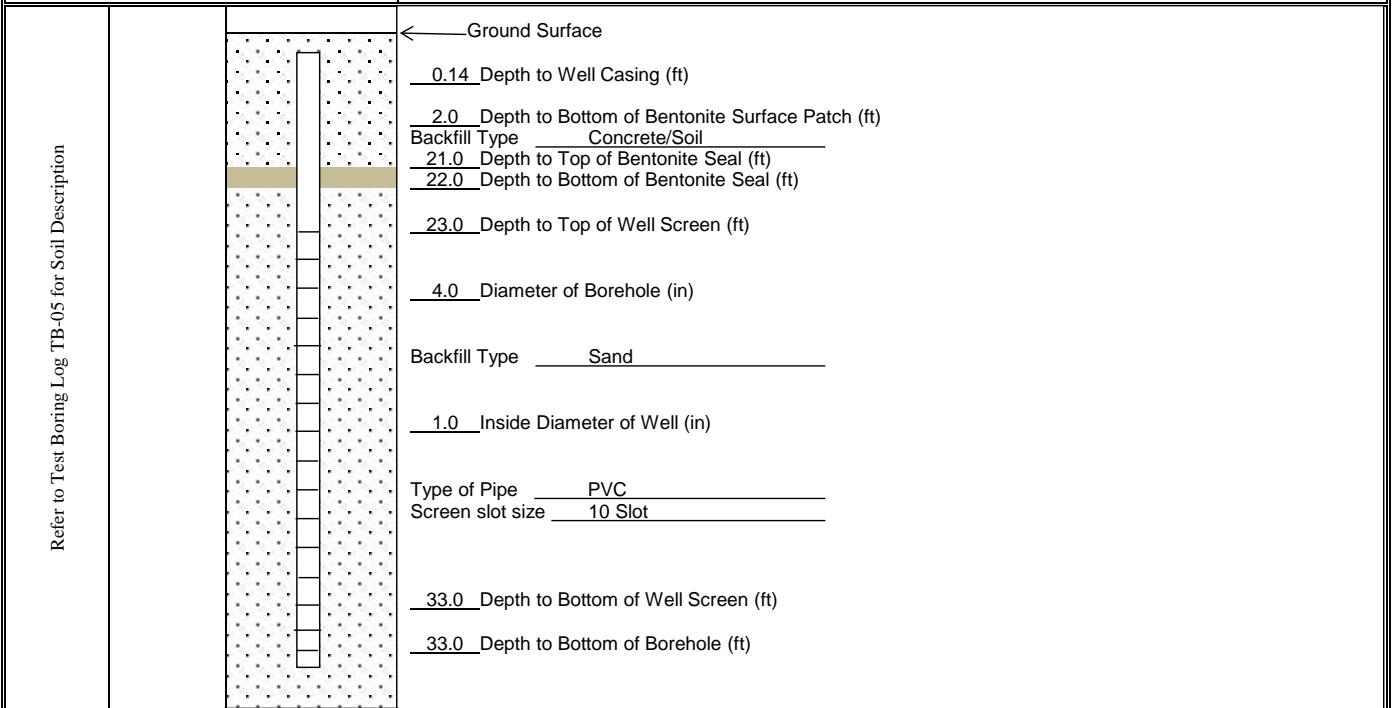
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ENVIRONMENTAL CONSULTANTS

AN AFFILIATE OF DAY ENGINEERING, P.C.

MONITORING WELL CONSTRUCTION DIAGRAM

| | | | |
|---|---|------------------------------|-----------------------------|
| Project #: <u>4884S-13</u> | | | MONITORING WELL MW-E |
| Project Address: <u>211 Franklin Street</u> | | | |
| <u>Olean, New York</u> | Ground Elevation: <u>101.91'</u> | Datum: <u>100'</u> | |
| DAY Representative: <u>Z. Tennies</u> | Date Started: <u>9/13/2013</u> | Date Ended: <u>9/13/2013</u> | |
| Drilling Contractor: <u>Applus</u> | Water Level (Date): <u>75.65' (9-25-13)</u> | | |



Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 2) NA = Not Available or Not Applicable

MONITORING WELL MW-E

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AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 4884S-13
 Project Address: 211 Franklin Street
Olean, NY
 DAY Representative: Z. Tennies
 Drilling Contractor: Applus
 Sampling Method: Direct Push

Test Boring TB-06

Page 1 of 1

Ground Elevation: _____ Datum: _____
 Date Started: 9/10/2013 Date Ended: 9/10/2013
 Borehole Depth: 12.0' Borehole Diameter: 2"
 Completion Method: Well Installed Backfilled with Grout Backfilled with Cuttings
 Water Level (Date): _____

| Depth (ft) | Blows per 0.5 ft. | Sample Number | Sample Depth (ft) | % Recovery | N-Value or RQD% | Headspace PID (ppm) | PID Reading (ppm) | Sample Description | Notes |
|------------|-------------------|---------------|-------------------|------------|-----------------|---------------------|-------------------|---|-------|
| 1 | | | | | | | 0.7 | Brown, some Roots, damp (FILL) | |
| 2 | NA | S-1 | 0-4 | 58 | NA | NA | 0.6 | Red-Brown, Silty SAND, some fine to medium Gravel, damp | |
| 3 | | | | | | | 0.3 | | |
| 4 | | | | | | | 0.2 | | |
| 5 | | | | | | | 1.2 | ...Silty fine to medium SAND and coarse GRAVEL | |
| 6 | NA | S-2 | 4-8 | 45 | NA | NA | 0.0 | | |
| 7 | | | | | | | 0.3 | | |
| 8 | | | | | | | 0.3 | | |
| 9 | | | | | | | 0.2 | | |
| 10 | NA | S-3 | 8-12 | 86 | NA | NA | 0.4 | | |
| 11 | | | | | | | 0.3 | | |
| 12 | | | | | | | 0.0 | | |
| 13 | | | | | | | | Equipment Refusal @ 12.0' | |
| 14 | | | | | | | | | |
| 15 | | | | | | | | | |
| 16 | | | | | | | | | |

- Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 2) Stratification lines represent approximate boundaries. Transitions may be gradual.
 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
 4) NA = Not Available or Not Applicable
 5) Headspace PID readings may be influenced by moisture

Test Boring TB-06

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ENVIRONMENTAL CONSULTANTS

AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 4884S-13
 Project Address: 211 Franklin Street
Olean, NY
 DAY Representative: Z. Tennies
 Drilling Contractor: Applus
 Sampling Method: Direct Push

Ground Elevation: _____ Datum: _____
 Date Started: 9/13/2013 Date Ended: 9/13/2013
 Borehole Depth: 4.0' Borehole Diameter: 2"
 Completion Method: Well Installed Backfilled with Grout Backfilled with Cuttings
 Water Level (Date): _____

Test Boring TB-07

Page 1 of 1

| Depth (ft) | Blows per 0.5 ft. | Sample Number | Sample Depth (ft) | % Recovery | N-Value or RQD% | Headspace PID (ppm) | PID Reading (ppm) | Sample Description | Notes |
|------------|-------------------|---------------|-------------------|------------|-----------------|---------------------|-------------------|---|-------|
| 1 | | | | | | | 0.0 | Brown-Black, some epoxy resin residue, some red brick, damp (FILL) | |
| 2 | NA | S-1 | 0-4 | 55 | NA | NA | 0.4 | Black, Silty, fine to medium SAND, with some Coal residue, some crushed Concrete, damp (FILL) | |
| 3 | | | | | | | 0.2 | Brown, medium to coarse SAND, some medium Gravel, moist | |
| 4 | | | | | | | 0.0 | | |
| 5 | | | | | | | | Bottom of Hole @ 4.0' | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |
| 11 | | | | | | | | | |
| 12 | | | | | | | | | |
| 13 | | | | | | | | | |
| 14 | | | | | | | | | |
| 15 | | | | | | | | | |
| 16 | | | | | | | | | |

- Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 2) Stratification lines represent approximate boundaries. Transitions may be gradual.
 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
 4) NA = Not Available or Not Applicable
 5) Headspace PID readings may be influenced by moisture

Test Boring TB-07

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ATTACHMENT B
ANALYTICAL LABORATORY REPORTS
AND
CHAIN-OF-CUSTODY DOCUMENTATION

Report Date:
03-Oct-13 16:42



- Final Report
- Re-Issued Report
- Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY
Laboratory Report

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, NY 14606
Attn: Ray Kampff

Project: 211 Franklin St - Olean, NY
Project #: 48845-13

| <u>Laboratory ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Date Sampled</u> | <u>Date Received</u> |
|----------------------|-------------------------|---------------|---------------------|----------------------|
| SB77308-01 | MW-A | Ground Water | 19-Sep-13 16:00 | 20-Sep-13 09:00 |
| SB77308-02 | MW-B | Ground Water | 19-Sep-13 16:20 | 20-Sep-13 09:00 |
| SB77308-03 | MW-C | Ground Water | 19-Sep-13 13:55 | 20-Sep-13 09:00 |
| SB77308-04 | MW-D | Ground Water | 19-Sep-13 15:30 | 20-Sep-13 09:00 |
| SB77308-05 | MW-E | Ground Water | 19-Sep-13 15:30 | 20-Sep-13 09:00 |
| SB77308-06 | Trip Blank | Trip Blank | 19-Sep-13 00:00 | 20-Sep-13 09:00 |

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435



Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.

Please note that this report contains 41 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

The samples were received 1.1 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

Samples:

SB77308-01 *MW-A*

The pH of this sample has been adjusted in the laboratory for the tests listed below in accordance with the preservation requirements of the applicable methods.

Fingerprinting by GC

SB77308-02 *MW-B*

The pH of this sample has been adjusted in the laboratory for the tests listed below in accordance with the preservation requirements of the applicable methods.

Fingerprinting by GC

SB77308-03 *MW-C*

The pH of this sample has been adjusted in the laboratory for the tests listed below in accordance with the preservation requirements of the applicable methods.

Fingerprinting by GC

SB77308-04 *MW-D*

The pH of this sample has been adjusted in the laboratory for the tests listed below in accordance with the preservation requirements of the applicable methods.

Fingerprinting by GC

SB77308-05 *MW-E*

The pH of this sample has been adjusted in the laboratory for the tests listed below in accordance with the preservation requirements of the applicable methods.

Fingerprinting by GC

EPA 245.1/7470A

Spikes:

1323504-MS1 *Source: SB77308-02*

The spike recovery was outside acceptance limits for the MS, MSD and/or PS due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

Mercury

1323504-MSD1 *Source: SB77308-02*

The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for batch duplicate.

Mercury

The spike recovery was outside acceptance limits for the MS, MSD and/or PS due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

Mercury

1323504-PS1 *Source: SB77308-02*

This laboratory report is not valid without an authorized signature on the cover page.

EPA 245.1/7470A

Spikes:

1323504-PS1 *Source: SB77308-02*

The spike recovery was outside acceptance limits for the MS, MSD and/or PS due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

Mercury

Duplicates:

1323504-DUP1 *Source: SB77308-02*

The Reporting Limit has been raised to account for matrix interference.

Mercury

Samples:

SB77308-02 *MW-B*

The Reporting Limit has been raised to account for matrix interference.

Mercury

SW846 6010C

Spikes:

1323503-MS1 *Source: SB77308-04*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Aluminum
Calcium
Iron
Magnesium

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Potassium

1323503-MSD1 *Source: SB77308-04*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Aluminum
Calcium
Iron
Magnesium

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Potassium

1323503-PS1 *Source: SB77308-04*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Aluminum
Calcium
Iron
Magnesium
Sodium

SW846 6010C

Duplicates:

1323503-DUP1

Source: SB77308-02

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Calcium
Magnesium
Manganese

The Reporting Limit has been raised to account for matrix interference.

Aluminum
Antimony
Arsenic
Barium
Beryllium
Cadmium
Chromium
Cobalt
Copper
Iron
Lead
Nickel
Potassium
Selenium
Silver
Sodium
Thallium
Vanadium
Zinc

Samples:

SB77308-02

MW-B

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Calcium
Magnesium
Manganese

The Reporting Limit has been raised to account for matrix interference.

Aluminum
Antimony
Arsenic
Barium
Beryllium
Cadmium
Chromium
Cobalt
Copper
Iron
Lead
Nickel
Potassium
Selenium
Silver
Sodium
Thallium
Vanadium
Zinc

SW846 6010C

Samples:

SB77308-04 *MW-D*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Calcium
Magnesium

The Reporting Limit has been raised to account for matrix interference.

Silver

SW846 8100Mod.

Samples:

SB77308-01 *MW-A*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB77308-02 *MW-B*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SW846 8260C

Calibration:

1309039

Analyte quantified by quadratic equation type calibration.

1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,2,4-Trimethylbenzene
1,2-Dibromo-3-chloropropane
1,3,5-Trichlorobenzene
1,3,5-Trimethylbenzene
1,4-Dioxane
2-Hexanone (MBK)
4-Isopropyltoluene
4-Methyl-2-pentanone (MIBK)
Acrylonitrile
Bromoform
cis-1,3-Dichloropropene
Dibromochloromethane
Hexachlorobutadiene
Naphthalene
n-Butylbenzene
n-Propylbenzene
sec-Butylbenzene
Styrene
Tert-amyl methyl ether
Tert-Butanol / butyl alcohol
tert-Butylbenzene
Tetrahydrofuran
trans-1,3-Dichloropropene

SW846 8260C

Calibration:

1309039

This affected the following samples:

1323343-BLK1
1323343-BS1
1323343-BSD1
MW-B
MW-E
S311250-ICV1
S311665-CCV1
Trip Blank

1309057

Analyte quantified by quadratic equation type calibration.

1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,3,5-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
Tert-Butanol / butyl alcohol
trans-1,4-Dichloro-2-butene
Vinyl chloride

This affected the following samples:

1323478-BLK1
1323478-BS1
1323478-BSD1
MW-A
MW-C
MW-D
S311651-ICV1
S311744-CCV1

S311250-ICV1

Analyte percent recovery is outside individual acceptance criteria (80-120).

1,4-Dioxane (131%)
2-Hexanone (MBK) (124%)
4-Methyl-2-pentanone (MIBK) (126%)
Acetone (123%)
Tert-Butanol / butyl alcohol (125%)
Tetrahydrofuran (121%)

This affected the following samples:

1323343-BLK1
1323343-BS1
1323343-BSD1
MW-B
MW-E
S311665-CCV1
Trip Blank

S311651-ICV1

Analyte percent recovery is outside individual acceptance criteria (80-120).

Dichlorodifluoromethane (Freon12) (127%)
Trichlorofluoromethane (Freon 11) (121%)

SW846 8260C

Calibration:

S311651-ICV1

This affected the following samples:

1323478-BLK1
1323478-BS1
1323478-BSD1
MW-A
MW-C
MW-D
S311744-CCV1

Laboratory Control Samples:

1323343 BS/BSD

Ethyl tert-butyl ether percent recoveries (67/70) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

MW-B
MW-E
Trip Blank

Tert-amyl methyl ether percent recoveries (61/72) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

MW-B
MW-E
Trip Blank

Samples:

S311665-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Ethyl tert-butyl ether (-24.8%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

1,4-Dioxane (-21.8%)
Tert-amyl methyl ether (-29.0%)
Tert-Butanol / butyl alcohol (-23.9%)

This affected the following samples:

1323343-BLK1
1323343-BS1
1323343-BSD1
MW-B
MW-E
Trip Blank

SB77308-02 *MW-B*

Elevated Reporting Limits due to the presence of high levels of non-target analytes.

Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogates with three required by program methods.

4-Bromofluorobenzene

SW846 8270D

Calibration:

This laboratory report is not valid without an authorized signature on the cover page.

SW846 8270D

Calibration:

1309046

Analyte quantified by quadratic equation type calibration.

2,4-Dinitrophenol
3,3'-Dichlorobenzidine
4,6-Dinitro-2-methylphenol
Benzidine
Benzoic acid
Di-n-octyl phthalate
Hexachlorocyclopentadiene
Pentachlorophenol

This affected the following samples:

1323267-BLK1
1323267-BS1
1323267-BSD1
MW-A
MW-B
MW-D
MW-E
S311567-ICV1
S311763-CCV1
S311874-CCV1

S311567-ICV1

Analyte percent recovery is outside individual acceptance criteria (80-120).

4-Nitrophenol (121%)
Benzidine (77%)

This affected the following samples:

1323267-BLK1
1323267-BS1
1323267-BSD1
MW-A
MW-B
MW-D
MW-E
S311763-CCV1
S311874-CCV1

Laboratory Control Samples:

1323267 BS/BSD

Pyridine percent recoveries (39/43) are outside individual acceptance criteria (40-140), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

MW-A
MW-B
MW-D
MW-E

1323267 BSD

Benzidine RPD 56% (20%) is outside individual acceptance criteria.

Hexachlorocyclopentadiene RPD 23% (20%) is outside individual acceptance criteria.

SW846 8270D

Samples:

S311763-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

- 2-Nitroaniline (23.0%)
- 3-Nitroaniline (20.3%)
- Bis(2-chloroisopropyl)ether (34.4%)
- Bis(2-ethylhexyl)phthalate (25.5%)
- Butyl benzyl phthalate (25.5%)
- N-Nitrosodi-n-propylamine (20.9%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

- 2,4-Dinitrophenol (42.0%)
- 4,6-Dinitro-2-methylphenol (32.2%)

This affected the following samples:

- 1323267-BLK1
- 1323267-BS1
- 1323267-BSD1

S311874-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

- 2,4-Dinitrotoluene (20.3%)
- 2-Nitroaniline (24.1%)
- 3-Nitroaniline (20.9%)
- Bis(2-chloroisopropyl)ether (23.6%)
- Bis(2-ethylhexyl)phthalate (32.8%)
- Butyl benzyl phthalate (30.5%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

- 2,4-Dinitrophenol (37.0%)
- 4,6-Dinitro-2-methylphenol (29.7%)
- Benzidine (41.4%)

This affected the following samples:

- MW-A
- MW-B
- MW-D
- MW-E

SB77308-01 *MW-A*

Elevated Reporting Limits due to the presence of high levels of non-target analytes.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

- 2,4,6-Tribromophenol
- 2-Fluorobiphenyl
- 2-Fluorophenol
- Nitrobenzene-d5
- Phenol-d5
- Terphenyl-dl4

SB77308-02 *MW-B*

Elevated Reporting Limits due to the presence of high levels of non-target analytes.

SW846 8270D

Samples:

SB77308-02

MW-B

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

2,4,6-Tribromophenol

2-Fluorobiphenyl

2-Fluorophenol

Nitrobenzene-d5

Phenol-d5

Terphenyl-dl4

Sample Acceptance Check Form

Client: Day Environmental, Inc.
 Project: 211 Franklin St - Olean, NY / 48845-13
 Work Order: SB77308
 Sample(s) received on: 9/20/2013
 Received by: Vickie Knowles

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

| | <u>Yes</u> | <u>No</u> | <u>N/A</u> |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Were custody seals present? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Were custody seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Were samples received at a temperature of $\leq 6^{\circ}\text{C}$? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Were samples cooled on ice upon transfer to laboratory representative? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Were samples refrigerated upon transfer to laboratory representative? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 6. Were sample containers received intact? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Were samples accompanied by a Chain of Custody document? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. Did sample container labels agree with Chain of Custody document? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 11. Were samples received within method-specific holding times? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Sample Identification

MW-A

SB77308-01

Client Project

48845-13

Matrix

Ground Water

Collection Date/Time

19-Sep-13 16:00

Received

20-Sep-13

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|--------|------|-------|------|------|----------|-------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 0.65 | U | µg/l | 1.00 | 0.65 | 1 | SW846 8260C | 30-Sep-13 | 30-Sep-13 | JEG | 1323478 | X |
| 67-64-1 | Acetone | 10.1 | | µg/l | 10.0 | 2.56 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.48 | U | µg/l | 0.50 | 0.48 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 0.67 | U | µg/l | 1.00 | 0.67 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 0.72 | U | µg/l | 1.00 | 0.72 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 0.71 | U | µg/l | 1.00 | 0.71 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.48 | U | µg/l | 0.50 | 0.48 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 0.60 | U | µg/l | 1.00 | 0.60 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 1.14 | U | µg/l | 2.00 | 1.14 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | 2.40 | J | µg/l | 10.0 | 1.93 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 0.56 | U | µg/l | 1.00 | 0.56 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 0.82 | U | µg/l | 1.00 | 0.82 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | 5.38 | | µg/l | 1.00 | 0.74 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 1.28 | U | µg/l | 2.00 | 1.28 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 0.55 | U | µg/l | 1.00 | 0.55 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 0.65 | U | µg/l | 1.00 | 0.65 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 1.00 | U | µg/l | 2.00 | 1.00 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 0.69 | U | µg/l | 1.00 | 0.69 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 1.47 | U | µg/l | 2.00 | 1.47 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 0.79 | U | µg/l | 1.00 | 0.79 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 0.73 | U | µg/l | 1.00 | 0.73 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 1.20 | U | µg/l | 2.00 | 1.20 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.34 | U | µg/l | 0.50 | 0.34 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.36 | U | µg/l | 0.50 | 0.36 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 0.67 | U | µg/l | 1.00 | 0.67 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 0.67 | U | µg/l | 1.00 | 0.67 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 0.71 | U | µg/l | 1.00 | 0.71 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 0.62 | U | µg/l | 1.00 | 0.62 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 0.45 | U | µg/l | 2.00 | 0.45 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 0.68 | U | µg/l | 1.00 | 0.68 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 0.78 | U | µg/l | 1.00 | 0.78 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 0.49 | U | µg/l | 1.00 | 0.49 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 0.72 | U | µg/l | 1.00 | 0.72 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 0.83 | U | µg/l | 1.00 | 0.83 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 0.77 | U | µg/l | 1.00 | 0.77 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 0.81 | U | µg/l | 1.00 | 0.81 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 0.87 | U | µg/l | 1.00 | 0.87 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 0.64 | U | µg/l | 1.00 | 0.64 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.36 | U | µg/l | 0.50 | 0.36 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.50 | U | µg/l | 0.50 | 0.50 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 0.95 | U | µg/l | 1.00 | 0.95 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.49 | U | µg/l | 0.50 | 0.49 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 0.66 | U | µg/l | 10.0 | 0.66 | 1 | " | " | " | " | " | X |

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Sample Identification

MW-A
SB77308-01

Client Project #
48845-13

Matrix
Ground Water

Collection Date/Time
19-Sep-13 16:00

Received
20-Sep-13

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5030 Water MS

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|---|------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 98-82-8 | Isopropylbenzene | < 0.62 | U | µg/l | 1.00 | 0.62 | 1 | SW846 8260C | 30-Sep-13 | 30-Sep-13 | JEG | 1323478 | X |
| 99-87-6 | 4-Isopropyltoluene | < 0.61 | U | µg/l | 1.00 | 0.61 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 0.65 | U | µg/l | 1.00 | 0.65 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 2.76 | U | µg/l | 10.0 | 2.76 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 0.95 | U | µg/l | 2.00 | 0.95 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | 0.59 | J | µg/l | 1.00 | 0.58 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 0.76 | U | µg/l | 1.00 | 0.76 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 0.62 | U | µg/l | 1.00 | 0.62 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 0.67 | U | µg/l | 1.00 | 0.67 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.32 | U | µg/l | 0.50 | 0.32 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 0.74 | U | µg/l | 1.00 | 0.74 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 0.81 | U | µg/l | 1.00 | 0.81 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 0.38 | U | µg/l | 1.00 | 0.38 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 0.36 | U | µg/l | 1.00 | 0.36 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 0.78 | U | µg/l | 1.00 | 0.78 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 0.58 | U | µg/l | 1.00 | 0.58 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 0.64 | U | µg/l | 1.00 | 0.64 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 0.76 | U | µg/l | 1.00 | 0.76 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 0.63 | U | µg/l | 1.00 | 0.63 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 0.74 | U | µg/l | 1.00 | 0.74 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 0.76 | U | µg/l | 1.00 | 0.76 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 0.74 | U | µg/l | 1.00 | 0.74 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 0.81 | U | µg/l | 1.00 | 0.81 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 1.64 | U | µg/l | 2.00 | 1.64 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 0.88 | U | µg/l | 1.00 | 0.88 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 1.44 | U | µg/l | 2.00 | 1.44 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 0.69 | U | µg/l | 1.00 | 0.69 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 0.72 | U | µg/l | 1.00 | 0.72 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 0.78 | U | µg/l | 1.00 | 0.78 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 0.73 | U | µg/l | 1.00 | 0.73 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 8.64 | U | µg/l | 10.0 | 8.64 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 12.0 | U | µg/l | 20.0 | 12.0 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-butene | < 0.74 | U | µg/l | 5.00 | 0.74 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 35.0 | U | µg/l | 400 | 35.0 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 100 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 101 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 105 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 99 | | | 70-130 % | | | " | " | " | " | " | |

Tentatively Identified Compounds by GC/MS

Prepared by method SW846 5030 Water MS

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

MW-A Client Project # 48845-13 Matrix Ground Water Collection Date/Time 19-Sep-13 16:00 Received 20-Sep-13
 SB77308-01

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Tentatively Identified Compounds by GC/MS

Prepared by method SW846 5030 Water MS

| | | | | | | | | | | | | | |
|-------------|--------------------------------|------|-----|------|--|--|---|------------------|-----------|-----------|-----|---------|--|
| 488-23-3 | Benzene, 1,2,3,4-tetramethyl- | 22.9 | TIC | µg/l | | | 1 | SW846 8260C TICs | 30-Sep-13 | 30-Sep-13 | JEG | 1323478 | |
| 95-93-2 | Benzene, 1,2,4,5-tetramethyl- | 19.6 | TIC | µg/l | | | 1 | " | " | " | " | " | |
| 3454-07-7 | Benzene, 1-ethenyl-4-ethyl- | 10.8 | TIC | µg/l | | | 1 | " | " | " | " | " | |
| 002870-04-4 | Benzene, 2-ethyl-1,3-dimethyl- | 13.4 | TIC | µg/l | | | 1 | " | " | " | " | " | |
| | Cyclohexane, 1,1,3-trimethyl- | 10.7 | TIC | µg/l | | | 1 | " | " | " | " | " | |
| | Cyclohexane, 1,1-dimethyl- | 12.5 | TIC | µg/l | | | 1 | " | " | " | " | " | |
| | Cyclohexane, 1,2-dimethyl-,... | 19.0 | TIC | µg/l | | | 1 | " | " | " | " | " | |
| 004850-28-6 | Cyclopentane, 1,2,4-trimeth... | 13.3 | TIC | µg/l | | | 1 | " | " | " | " | " | |

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds

R05

Prepared by method SW846 3510C

| | | | | | | | | | | | | | |
|-----------|-----------------------------|--------|------|------|-----|------|----|-------------|-----------|-----------|----|---------|---|
| 83-32-9 | Acenaphthene | < 50.0 | U, D | µg/l | 278 | 50.0 | 50 | SW846 8270D | 26-Sep-13 | 01-Oct-13 | JG | 1323267 | X |
| 208-96-8 | Acenaphthylene | < 48.3 | U, D | µg/l | 278 | 48.3 | 50 | " | " | " | " | " | X |
| 62-53-3 | Aniline | < 35.0 | U, D | µg/l | 278 | 35.0 | 50 | " | " | " | " | " | X |
| 120-12-7 | Anthracene | < 50.0 | U, D | µg/l | 278 | 50.0 | 50 | " | " | " | " | " | X |
| 103-33-3 | Azobenzene/Diphenyldiazene | < 41.7 | U, D | µg/l | 278 | 41.7 | 50 | " | " | " | " | " | |
| 92-87-5 | Benzidine | < 243 | U, D | µg/l | 278 | 243 | 50 | " | " | " | " | " | X |
| 56-55-3 | Benzo (a) anthracene | < 66.1 | U, D | µg/l | 278 | 66.1 | 50 | " | " | " | " | " | X |
| 50-32-8 | Benzo (a) pyrene | < 48.3 | U, D | µg/l | 278 | 48.3 | 50 | " | " | " | " | " | X |
| 205-99-2 | Benzo (b) fluoranthene | < 47.2 | U, D | µg/l | 278 | 47.2 | 50 | " | " | " | " | " | X |
| 191-24-2 | Benzo (g,h,i) perylene | < 50.0 | U, D | µg/l | 278 | 50.0 | 50 | " | " | " | " | " | X |
| 207-08-9 | Benzo (k) fluoranthene | < 61.7 | U, D | µg/l | 278 | 61.7 | 50 | " | " | " | " | " | X |
| 65-85-0 | Benzoic acid | < 121 | U, D | µg/l | 278 | 121 | 50 | " | " | " | " | " | X |
| 100-51-6 | Benzyl alcohol | < 51.7 | U, D | µg/l | 278 | 51.7 | 50 | " | " | " | " | " | X |
| 111-91-1 | Bis(2-chloroethoxy)methane | < 38.9 | U, D | µg/l | 278 | 38.9 | 50 | " | " | " | " | " | X |
| 111-44-4 | Bis(2-chloroethyl)ether | < 46.7 | U, D | µg/l | 278 | 46.7 | 50 | " | " | " | " | " | X |
| 108-60-1 | Bis(2-chloroisopropyl)ether | < 54.4 | U, D | µg/l | 278 | 54.4 | 50 | " | " | " | " | " | X |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | < 56.7 | U, D | µg/l | 278 | 56.7 | 50 | " | " | " | " | " | X |
| 101-55-3 | 4-Bromophenyl phenyl ether | < 47.2 | U, D | µg/l | 278 | 47.2 | 50 | " | " | " | " | " | X |
| 85-68-7 | Butyl benzyl phthalate | < 57.2 | U, D | µg/l | 278 | 57.2 | 50 | " | " | " | " | " | X |
| 86-74-8 | Carbazole | < 178 | U, D | µg/l | 278 | 178 | 50 | " | " | " | " | " | X |
| 59-50-7 | 4-Chloro-3-methylphenol | < 52.8 | U, D | µg/l | 278 | 52.8 | 50 | " | " | " | " | " | X |
| 106-47-8 | 4-Chloroaniline | < 31.1 | U, D | µg/l | 278 | 31.1 | 50 | " | " | " | " | " | X |
| 91-58-7 | 2-Chloronaphthalene | < 48.3 | U, D | µg/l | 278 | 48.3 | 50 | " | " | " | " | " | X |
| 95-57-8 | 2-Chlorophenol | < 53.3 | U, D | µg/l | 278 | 53.3 | 50 | " | " | " | " | " | X |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | < 49.4 | U, D | µg/l | 278 | 49.4 | 50 | " | " | " | " | " | X |
| 218-01-9 | Chrysene | < 63.3 | U, D | µg/l | 278 | 63.3 | 50 | " | " | " | " | " | X |

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Sample Identification

MW-A
SB77308-01

Client Project #
48845-13

Matrix
Ground Water

Collection Date/Time
19-Sep-13 16:00

Received
20-Sep-13

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|----------------------------|--------|------|-------|------|------|----------|-------------|-----------|-----------|---------|---------|-------|
| Semivolatile Organic Compounds by GCMS | | | | | | | | | | | | | |
| Semivolatile Organic Compounds R05 | | | | | | | | | | | | | |
| Prepared by method SW846 3510C | | | | | | | | | | | | | |
| 53-70-3 | Dibenzo (a,h) anthracene | < 51.7 | U, D | µg/l | 278 | 51.7 | 50 | SW846 8270D | 26-Sep-13 | 01-Oct-13 | JG | 1323267 | X |
| 132-64-9 | Dibenzofuran | < 48.9 | U, D | µg/l | 278 | 48.9 | 50 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 54.4 | U, D | µg/l | 278 | 54.4 | 50 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 53.3 | U, D | µg/l | 278 | 53.3 | 50 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 55.6 | U, D | µg/l | 278 | 55.6 | 50 | " | " | " | " | " | X |
| 91-94-1 | 3,3'-Dichlorobenzidine | < 37.8 | U, D | µg/l | 278 | 37.8 | 50 | " | " | " | " | " | X |
| 120-83-2 | 2,4-Dichlorophenol | < 45.6 | U, D | µg/l | 278 | 45.6 | 50 | " | " | " | " | " | X |
| 84-66-2 | Diethyl phthalate | < 47.8 | U, D | µg/l | 278 | 47.8 | 50 | " | " | " | " | " | X |
| 131-11-3 | Dimethyl phthalate | < 50.6 | U, D | µg/l | 278 | 50.6 | 50 | " | " | " | " | " | X |
| 105-67-9 | 2,4-Dimethylphenol | < 45.0 | U, D | µg/l | 278 | 45.0 | 50 | " | " | " | " | " | X |
| 84-74-2 | Di-n-butyl phthalate | < 52.2 | U, D | µg/l | 278 | 52.2 | 50 | " | " | " | " | " | X |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | < 37.2 | U, D | µg/l | 278 | 37.2 | 50 | " | " | " | " | " | X |
| 51-28-5 | 2,4-Dinitrophenol | < 159 | U, D | µg/l | 278 | 159 | 50 | " | " | " | " | " | X |
| 121-14-2 | 2,4-Dinitrotoluene | < 52.2 | U, D | µg/l | 278 | 52.2 | 50 | " | " | " | " | " | X |
| 606-20-2 | 2,6-Dinitrotoluene | < 52.2 | U, D | µg/l | 278 | 52.2 | 50 | " | " | " | " | " | X |
| 117-84-0 | Di-n-octyl phthalate | < 43.3 | U, D | µg/l | 278 | 43.3 | 50 | " | " | " | " | " | X |
| 206-44-0 | Fluoranthene | < 53.3 | U, D | µg/l | 278 | 53.3 | 50 | " | " | " | " | " | X |
| 86-73-7 | Fluorene | < 50.0 | U, D | µg/l | 278 | 50.0 | 50 | " | " | " | " | " | X |
| 118-74-1 | Hexachlorobenzene | < 51.7 | U, D | µg/l | 278 | 51.7 | 50 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 46.1 | U, D | µg/l | 278 | 46.1 | 50 | " | " | " | " | " | X |
| 77-47-4 | Hexachlorocyclopentadiene | < 262 | U, D | µg/l | 278 | 262 | 50 | " | " | " | " | " | X |
| 67-72-1 | Hexachloroethane | < 56.1 | U, D | µg/l | 278 | 56.1 | 50 | " | " | " | " | " | X |
| 193-39-5 | Indeno (1,2,3-cd) pyrene | < 51.1 | U, D | µg/l | 278 | 51.1 | 50 | " | " | " | " | " | X |
| 78-59-1 | Isophorone | < 46.1 | U, D | µg/l | 278 | 46.1 | 50 | " | " | " | " | " | X |
| 91-57-6 | 2-Methylnaphthalene | < 50.6 | U, D | µg/l | 278 | 50.6 | 50 | " | " | " | " | " | X |
| 95-48-7 | 2-Methylphenol | < 53.3 | U, D | µg/l | 278 | 53.3 | 50 | " | " | " | " | " | X |
| 108-39-4, 106-44-5 | 3 & 4-Methylphenol | < 52.2 | U, D | µg/l | 556 | 52.2 | 50 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 49.4 | U, D | µg/l | 278 | 49.4 | 50 | " | " | " | " | " | X |
| 88-74-4 | 2-Nitroaniline | < 45.6 | U, D | µg/l | 278 | 45.6 | 50 | " | " | " | " | " | X |
| 99-09-2 | 3-Nitroaniline | < 35.6 | U, D | µg/l | 278 | 35.6 | 50 | " | " | " | " | " | X |
| 100-01-6 | 4-Nitroaniline | < 40.0 | U, D | µg/l | 1110 | 40.0 | 50 | " | " | " | " | " | X |
| 98-95-3 | Nitrobenzene | < 52.8 | U, D | µg/l | 278 | 52.8 | 50 | " | " | " | " | " | X |
| 88-75-5 | 2-Nitrophenol | < 57.2 | U, D | µg/l | 278 | 57.2 | 50 | " | " | " | " | " | X |
| 100-02-7 | 4-Nitrophenol | < 155 | U, D | µg/l | 1110 | 155 | 50 | " | " | " | " | " | X |
| 62-75-9 | N-Nitrosodimethylamine | < 56.1 | U, D | µg/l | 278 | 56.1 | 50 | " | " | " | " | " | X |
| 621-64-7 | N-Nitrosodi-n-propylamine | < 51.1 | U, D | µg/l | 278 | 51.1 | 50 | " | " | " | " | " | X |
| 86-30-6 | N-Nitrosodiphenylamine | < 53.3 | U, D | µg/l | 278 | 53.3 | 50 | " | " | " | " | " | X |
| 87-86-5 | Pentachlorophenol | < 45.0 | U, D | µg/l | 1110 | 45.0 | 50 | " | " | " | " | " | X |
| 85-01-8 | Phenanthrene | < 48.3 | U, D | µg/l | 278 | 48.3 | 50 | " | " | " | " | " | X |
| 108-95-2 | Phenol | < 52.8 | U, D | µg/l | 278 | 52.8 | 50 | " | " | " | " | " | X |
| 129-00-0 | Pyrene | < 71.1 | U, D | µg/l | 278 | 71.1 | 50 | " | " | " | " | " | X |
| 110-86-1 | Pyridine | < 53.9 | U, D | µg/l | 278 | 53.9 | 50 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 51.1 | U, D | µg/l | 278 | 51.1 | 50 | " | " | " | " | " | X |

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Sample Identification

MW-A
SB77308-01

Client Project #
48845-13

Matrix
Ground Water

Collection Date/Time
19-Sep-13 16:00

Received
20-Sep-13

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds

R05

Prepared by method SW846 3510C

| | | | | | | | | | | | | | |
|---------|--------------------------------|--------|------|------|-----|------|----|-------------|-----------|-----------|----|---------|---|
| 90-12-0 | 1-Methylnaphthalene | < 51.7 | U, D | µg/l | 278 | 51.7 | 50 | SW846 8270D | 26-Sep-13 | 01-Oct-13 | JG | 1323267 | |
| 95-95-4 | 2,4,5-Trichlorophenol | < 46.1 | U, D | µg/l | 278 | 46.1 | 50 | " | " | " | " | " | X |
| 88-06-2 | 2,4,6-Trichlorophenol | < 43.3 | U, D | µg/l | 278 | 43.3 | 50 | " | " | " | " | " | X |
| 82-68-8 | Pentachloronitrobenzene | < 50.6 | U, D | µg/l | 278 | 50.6 | 50 | " | " | " | " | " | X |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzen e | < 53.3 | U, D | µg/l | 278 | 53.3 | 50 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|-----------|----------------------|---|--------|--|----------|--|--|---|---|---|---|---|--|
| 321-60-8 | 2-Fluorobiphenyl | 0 | S01, U | | 30-130 % | | | " | " | " | " | " | |
| 367-12-4 | 2-Fluorophenol | 0 | S01, U | | 15-110 % | | | " | " | " | " | " | |
| 4165-60-0 | Nitrobenzene-d5 | 0 | S01, U | | 30-130 % | | | " | " | " | " | " | |
| 4165-62-2 | Phenol-d5 | 0 | S01, U | | 15-110 % | | | " | " | " | " | " | |
| 1718-51-0 | Terphenyl-dl4 | 0 | S01, U | | 30-130 % | | | " | " | " | " | " | |
| 118-79-6 | 2,4,6-Tribromophenol | 0 | S01, U | | 15-110 % | | | " | " | " | " | " | |

Extractable Petroleum Hydrocarbons

Fingerprinting by GC

GS1

Prepared by method SW846 3510C

| | | | | | | | | | | | | | |
|------------|---------------------------------|------------------|------|------|-----|-----|---|----------------|-----------|-----------|-----|---------|--|
| 8006-61-9 | Gasoline | < 1.1 | U, D | mg/l | 1.1 | 1.1 | 5 | SW846 8100Mod. | 27-Sep-13 | 30-Sep-13 | SEP | 1323309 | |
| 68476-30-2 | Fuel Oil #2 | Calculated as | | mg/l | 1.1 | 0.9 | 5 | " | " | " | " | " | |
| 68476-31-3 | Fuel Oil #4 | < 0.1 | U, D | mg/l | 1.1 | 0.1 | 5 | " | " | " | " | " | |
| 68553-00-4 | Fuel Oil #6 | < 1.0 | U, D | mg/l | 1.1 | 1.0 | 5 | " | " | " | " | " | |
| M09800000 | Motor Oil | < 0.9 | U, D | mg/l | 1.1 | 0.9 | 5 | " | " | " | " | " | |
| 8032-32-4 | Ligroin | < 0.3 | U, D | mg/l | 1.1 | 0.3 | 5 | " | " | " | " | " | |
| J00100000 | Aviation Fuel | < 0.3 | U, D | mg/l | 1.1 | 0.3 | 5 | " | " | " | " | " | |
| | Hydraulic Oil | < 0.1 | U, D | mg/l | 1.1 | 0.1 | 5 | " | " | " | " | " | |
| | Dielectric Fluid | < 0.3 | U, D | mg/l | 1.1 | 0.3 | 5 | " | " | " | " | " | |
| | Unidentified | 139 | D | mg/l | 1.1 | 0.3 | 5 | " | " | " | " | " | |
| | Other Oil | Calculated as | | mg/l | 1.1 | 0.1 | 5 | " | " | " | " | " | |
| | Total Petroleum Hydrocarbons | 139 | D | mg/l | 1.1 | 0.1 | 5 | " | " | " | " | " | |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|-----------|--------------------|----|--|--|----------|--|--|---|---|---|---|---|--|
| 3386-33-2 | 1-Chlorooctadecane | 66 | | | 40-140 % | | | " | " | " | " | " | |
|-----------|--------------------|----|--|--|----------|--|--|---|---|---|---|---|--|

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Sample Identification

MW-B

SB77308-02

Client Project #

48845-13

Matrix

Ground Water

Collection Date/Time

19-Sep-13 16:20

Received

20-Sep-13

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|--------|------|-------|-------|------|----------|-------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 R05 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 647 | U, D | µg/l | 1000 | 647 | 1000 | SW846 8260C | 27-Sep-13 | 27-Sep-13 | naa | 1323343 | X |
| 67-64-1 | Acetone | 4,260 | J, D | µg/l | 10000 | 2560 | 1000 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 475 | U, D | µg/l | 500 | 475 | 1000 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 669 | U, D | µg/l | 1000 | 669 | 1000 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 721 | U, D | µg/l | 1000 | 721 | 1000 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 710 | U, D | µg/l | 1000 | 710 | 1000 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 479 | U, D | µg/l | 500 | 479 | 1000 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 603 | U, D | µg/l | 1000 | 603 | 1000 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 1140 | U, D | µg/l | 2000 | 1140 | 1000 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 1930 | U, D | µg/l | 10000 | 1930 | 1000 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 562 | U, D | µg/l | 1000 | 562 | 1000 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 820 | U, D | µg/l | 1000 | 820 | 1000 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | 3,130 | D | µg/l | 1000 | 745 | 1000 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 1280 | U, D | µg/l | 2000 | 1280 | 1000 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 549 | U, D | µg/l | 1000 | 549 | 1000 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 654 | U, D | µg/l | 1000 | 654 | 1000 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 1000 | U, D | µg/l | 2000 | 1000 | 1000 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 689 | U, D | µg/l | 1000 | 689 | 1000 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 1470 | U, D | µg/l | 2000 | 1470 | 1000 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 791 | U, D | µg/l | 1000 | 791 | 1000 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 731 | U, D | µg/l | 1000 | 731 | 1000 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 1200 | U, D | µg/l | 2000 | 1200 | 1000 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 343 | U, D | µg/l | 500 | 343 | 1000 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 361 | U, D | µg/l | 500 | 361 | 1000 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 666 | U, D | µg/l | 1000 | 666 | 1000 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 668 | U, D | µg/l | 1000 | 668 | 1000 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 712 | U, D | µg/l | 1000 | 712 | 1000 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 624 | U, D | µg/l | 1000 | 624 | 1000 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 447 | U, D | µg/l | 2000 | 447 | 1000 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 680 | U, D | µg/l | 1000 | 680 | 1000 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 781 | U, D | µg/l | 1000 | 781 | 1000 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 488 | U, D | µg/l | 1000 | 488 | 1000 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 716 | U, D | µg/l | 1000 | 716 | 1000 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 832 | U, D | µg/l | 1000 | 832 | 1000 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 771 | U, D | µg/l | 1000 | 771 | 1000 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 807 | U, D | µg/l | 1000 | 807 | 1000 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 872 | U, D | µg/l | 1000 | 872 | 1000 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 636 | U, D | µg/l | 1000 | 636 | 1000 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 364 | U, D | µg/l | 500 | 364 | 1000 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 499 | U, D | µg/l | 500 | 499 | 1000 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 951 | U, D | µg/l | 1000 | 951 | 1000 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 489 | U, D | µg/l | 500 | 489 | 1000 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 658 | U, D | µg/l | 10000 | 658 | 1000 | " | " | " | " | " | X |

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Sample Identification

MW-B

SB77308-02

Client Project #

48845-13

Matrix

Ground Water

Collection Date/Time

19-Sep-13 16:20

Received

20-Sep-13

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

R05

Prepared by method SW846 5030 Water MS

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|---------|------|------|--------|-------|------|-------------|-----------|-----------|-----|---------|---|
| 98-82-8 | Isopropylbenzene | < 621 | U, D | µg/l | 1000 | 621 | 1000 | SW846 8260C | 27-Sep-13 | 27-Sep-13 | naa | 1323343 | X |
| 99-87-6 | 4-Isopropyltoluene | < 609 | U, D | µg/l | 1000 | 609 | 1000 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 652 | U, D | µg/l | 1000 | 652 | 1000 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 2760 | U, D | µg/l | 10000 | 2760 | 1000 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 947 | U, D | µg/l | 2000 | 947 | 1000 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 579 | U, D | µg/l | 1000 | 579 | 1000 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 758 | U, D | µg/l | 1000 | 758 | 1000 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 615 | U, D | µg/l | 1000 | 615 | 1000 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 672 | U, D | µg/l | 1000 | 672 | 1000 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 317 | U, D | µg/l | 500 | 317 | 1000 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 743 | U, D | µg/l | 1000 | 743 | 1000 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 812 | U, D | µg/l | 1000 | 812 | 1000 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 376 | U, D | µg/l | 1000 | 376 | 1000 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 360 | U, D | µg/l | 1000 | 360 | 1000 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 784 | U, D | µg/l | 1000 | 784 | 1000 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 582 | U, D | µg/l | 1000 | 582 | 1000 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 642 | U, D | µg/l | 1000 | 642 | 1000 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 755 | U, D | µg/l | 1000 | 755 | 1000 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 628 | U, D | µg/l | 1000 | 628 | 1000 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 736 | U, D | µg/l | 1000 | 736 | 1000 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 757 | U, D | µg/l | 1000 | 757 | 1000 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 744 | U, D | µg/l | 1000 | 744 | 1000 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 807 | U, D | µg/l | 1000 | 807 | 1000 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 1640 | U, D | µg/l | 2000 | 1640 | 1000 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 882 | U, D | µg/l | 1000 | 882 | 1000 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 1440 | U, D | µg/l | 2000 | 1440 | 1000 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 693 | U, D | µg/l | 1000 | 693 | 1000 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 719 | U, D | µg/l | 1000 | 719 | 1000 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 782 | U, D | µg/l | 1000 | 782 | 1000 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 727 | U, D | µg/l | 1000 | 727 | 1000 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 8640 | U, D | µg/l | 10000 | 8640 | 1000 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 12000 | U, D | µg/l | 20000 | 12000 | 1000 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-butene | < 737 | U, D | µg/l | 5000 | 737 | 1000 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 35000 | U, D | µg/l | 400000 | 35000 | 1000 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--------------|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 139 | SGCMSV OC | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 107 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 105 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 105 | | | 70-130 % | | | " | " | " | " | " | |

Tentatively Identified Compounds by GC/MS

Prepared by method SW846 5030 Water MS

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

MW-B
SB77308-02

Client Project #
48845-13

Matrix
Ground Water

Collection Date/Time
19-Sep-13 16:20

Received
20-Sep-13

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Tentatively Identified Compounds by GC/MS

Prepared by method SW846 5030 Water MS

| | | | | | | | | | | | | | |
|-------------|--------------------------------|---------|--------|------|--|--|------|------------------|-----------|-----------|-----|---------|--|
| 000591-21-9 | 1,3-Dimethylcyclohexane, c&t | 116,000 | TIC, D | µg/l | | | 1000 | SW846 8260C TICs | 27-Sep-13 | 27-Sep-13 | naa | 1323343 | |
| 003728-56-1 | 1-Ethyl-4-methylcyclohexane | 69,400 | TIC, D | µg/l | | | 1000 | " | " | " | " | " | |
| | Cyclohexane, 1,1,3-trimethyl- | 78,300 | TIC, D | µg/l | | | 1000 | " | " | " | " | " | |
| | Cyclohexane, 1,2-dimethyl- | 57,800 | TIC, D | µg/l | | | 1000 | " | " | " | " | " | |
| 006236-88-0 | Cyclohexane, 1-ethyl-4-meth... | 104,000 | TIC, D | µg/l | | | 1000 | " | " | " | " | " | |
| | Heptane, 2,5-dimethyl- | 102,000 | TIC, D | µg/l | | | 1000 | " | " | " | " | " | |
| | Undecane, 5,6-dimethyl- | 87,700 | TIC, D | µg/l | | | 1000 | " | " | " | " | " | |

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds

R05

Prepared by method SW846 3510C

| | | | | | | | | | | | | | |
|-----------|-----------------------------|--------|------|------|-----|------|-----|-------------|-----------|-----------|----|---------|---|
| 83-32-9 | Acenaphthene | < 108 | U, D | µg/l | 602 | 108 | 100 | SW846 8270D | 26-Sep-13 | 01-Oct-13 | JG | 1323267 | X |
| 208-96-8 | Acenaphthylene | < 105 | U, D | µg/l | 602 | 105 | 100 | " | " | " | " | " | X |
| 62-53-3 | Aniline | < 75.9 | U, D | µg/l | 602 | 75.9 | 100 | " | " | " | " | " | X |
| 120-12-7 | Anthracene | < 108 | U, D | µg/l | 602 | 108 | 100 | " | " | " | " | " | X |
| 103-33-3 | Azobenzene/Diphenyldiazene | < 90.4 | U, D | µg/l | 602 | 90.4 | 100 | " | " | " | " | " | |
| 92-87-5 | Benzidine | < 527 | U, D | µg/l | 602 | 527 | 100 | " | " | " | " | " | X |
| 56-55-3 | Benzo (a) anthracene | < 143 | U, D | µg/l | 602 | 143 | 100 | " | " | " | " | " | X |
| 50-32-8 | Benzo (a) pyrene | < 105 | U, D | µg/l | 602 | 105 | 100 | " | " | " | " | " | X |
| 205-99-2 | Benzo (b) fluoranthene | < 102 | U, D | µg/l | 602 | 102 | 100 | " | " | " | " | " | X |
| 191-24-2 | Benzo (g,h,i) perylene | < 108 | U, D | µg/l | 602 | 108 | 100 | " | " | " | " | " | X |
| 207-08-9 | Benzo (k) fluoranthene | < 134 | U, D | µg/l | 602 | 134 | 100 | " | " | " | " | " | X |
| 65-85-0 | Benzoic acid | < 261 | U, D | µg/l | 602 | 261 | 100 | " | " | " | " | " | X |
| 100-51-6 | Benzyl alcohol | < 112 | U, D | µg/l | 602 | 112 | 100 | " | " | " | " | " | X |
| 111-91-1 | Bis(2-chloroethoxy)methane | < 84.3 | U, D | µg/l | 602 | 84.3 | 100 | " | " | " | " | " | X |
| 111-44-4 | Bis(2-chloroethyl)ether | < 101 | U, D | µg/l | 602 | 101 | 100 | " | " | " | " | " | X |
| 108-60-1 | Bis(2-chloroisopropyl)ether | < 118 | U, D | µg/l | 602 | 118 | 100 | " | " | " | " | " | X |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | < 123 | U, D | µg/l | 602 | 123 | 100 | " | " | " | " | " | X |
| 101-55-3 | 4-Bromophenyl phenyl ether | < 102 | U, D | µg/l | 602 | 102 | 100 | " | " | " | " | " | X |
| 85-68-7 | Butyl benzyl phthalate | < 124 | U, D | µg/l | 602 | 124 | 100 | " | " | " | " | " | X |
| 86-74-8 | Carbazole | < 387 | U, D | µg/l | 602 | 387 | 100 | " | " | " | " | " | X |
| 59-50-7 | 4-Chloro-3-methylphenol | < 114 | U, D | µg/l | 602 | 114 | 100 | " | " | " | " | " | X |
| 106-47-8 | 4-Chloroaniline | < 67.5 | U, D | µg/l | 602 | 67.5 | 100 | " | " | " | " | " | X |
| 91-58-7 | 2-Chloronaphthalene | < 105 | U, D | µg/l | 602 | 105 | 100 | " | " | " | " | " | X |
| 95-57-8 | 2-Chlorophenol | < 116 | U, D | µg/l | 602 | 116 | 100 | " | " | " | " | " | X |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | < 107 | U, D | µg/l | 602 | 107 | 100 | " | " | " | " | " | X |
| 218-01-9 | Chrysene | < 137 | U, D | µg/l | 602 | 137 | 100 | " | " | " | " | " | X |
| 53-70-3 | Dibenzo (a,h) anthracene | < 112 | U, D | µg/l | 602 | 112 | 100 | " | " | " | " | " | X |
| 132-64-9 | Dibenzofuran | < 106 | U, D | µg/l | 602 | 106 | 100 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 118 | U, D | µg/l | 602 | 118 | 100 | " | " | " | " | " | X |

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Sample Identification

MW-B
SB77308-02

Client Project #
48845-13

Matrix
Ground Water

Collection Date/Time
19-Sep-13 16:20

Received
20-Sep-13

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|----------------------------|--------|------|-------|------|------|----------|-------------|-----------|-----------|---------|---------|-------|
| Semivolatile Organic Compounds by GCMS | | | | | | | | | | | | | |
| Semivolatile Organic Compounds R05 | | | | | | | | | | | | | |
| Prepared by method SW846 3510C | | | | | | | | | | | | | |
| 541-73-1 | 1,3-Dichlorobenzene | < 116 | U, D | µg/l | 602 | 116 | 100 | SW846 8270D | 26-Sep-13 | 01-Oct-13 | JG | 1323267 | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 120 | U, D | µg/l | 602 | 120 | 100 | " | " | " | " | " | X |
| 91-94-1 | 3,3'-Dichlorobenzidine | < 81.9 | U, D | µg/l | 602 | 81.9 | 100 | " | " | " | " | " | X |
| 120-83-2 | 2,4-Dichlorophenol | < 98.8 | U, D | µg/l | 602 | 98.8 | 100 | " | " | " | " | " | X |
| 84-66-2 | Diethyl phthalate | < 104 | U, D | µg/l | 602 | 104 | 100 | " | " | " | " | " | X |
| 131-11-3 | Dimethyl phthalate | < 110 | U, D | µg/l | 602 | 110 | 100 | " | " | " | " | " | X |
| 105-67-9 | 2,4-Dimethylphenol | < 97.6 | U, D | µg/l | 602 | 97.6 | 100 | " | " | " | " | " | X |
| 84-74-2 | Di-n-butyl phthalate | < 113 | U, D | µg/l | 602 | 113 | 100 | " | " | " | " | " | X |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | < 80.7 | U, D | µg/l | 602 | 80.7 | 100 | " | " | " | " | " | X |
| 51-28-5 | 2,4-Dinitrophenol | < 346 | U, D | µg/l | 602 | 346 | 100 | " | " | " | " | " | X |
| 121-14-2 | 2,4-Dinitrotoluene | < 113 | U, D | µg/l | 602 | 113 | 100 | " | " | " | " | " | X |
| 606-20-2 | 2,6-Dinitrotoluene | < 113 | U, D | µg/l | 602 | 113 | 100 | " | " | " | " | " | X |
| 117-84-0 | Di-n-octyl phthalate | < 94.0 | U, D | µg/l | 602 | 94.0 | 100 | " | " | " | " | " | X |
| 206-44-0 | Fluoranthene | < 116 | U, D | µg/l | 602 | 116 | 100 | " | " | " | " | " | X |
| 86-73-7 | Fluorene | < 108 | U, D | µg/l | 602 | 108 | 100 | " | " | " | " | " | X |
| 118-74-1 | Hexachlorobenzene | < 112 | U, D | µg/l | 602 | 112 | 100 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 100 | U, D | µg/l | 602 | 100 | 100 | " | " | " | " | " | X |
| 77-47-4 | Hexachlorocyclopentadiene | < 569 | U, D | µg/l | 602 | 569 | 100 | " | " | " | " | " | X |
| 67-72-1 | Hexachloroethane | < 122 | U, D | µg/l | 602 | 122 | 100 | " | " | " | " | " | X |
| 193-39-5 | Indeno (1,2,3-cd) pyrene | < 111 | U, D | µg/l | 602 | 111 | 100 | " | " | " | " | " | X |
| 78-59-1 | Isophorone | < 100 | U, D | µg/l | 602 | 100 | 100 | " | " | " | " | " | X |
| 91-57-6 | 2-Methylnaphthalene | < 110 | U, D | µg/l | 602 | 110 | 100 | " | " | " | " | " | X |
| 95-48-7 | 2-Methylphenol | < 116 | U, D | µg/l | 602 | 116 | 100 | " | " | " | " | " | X |
| 108-39-4, 106-44-5 | 3 & 4-Methylphenol | < 113 | U, D | µg/l | 1200 | 113 | 100 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 107 | U, D | µg/l | 602 | 107 | 100 | " | " | " | " | " | X |
| 88-74-4 | 2-Nitroaniline | < 98.8 | U, D | µg/l | 602 | 98.8 | 100 | " | " | " | " | " | X |
| 99-09-2 | 3-Nitroaniline | < 77.1 | U, D | µg/l | 602 | 77.1 | 100 | " | " | " | " | " | X |
| 100-01-6 | 4-Nitroaniline | < 86.7 | U, D | µg/l | 2410 | 86.7 | 100 | " | " | " | " | " | X |
| 98-95-3 | Nitrobenzene | < 114 | U, D | µg/l | 602 | 114 | 100 | " | " | " | " | " | X |
| 88-75-5 | 2-Nitrophenol | < 124 | U, D | µg/l | 602 | 124 | 100 | " | " | " | " | " | X |
| 100-02-7 | 4-Nitrophenol | < 336 | U, D | µg/l | 2410 | 336 | 100 | " | " | " | " | " | X |
| 62-75-9 | N-Nitrosodimethylamine | < 122 | U, D | µg/l | 602 | 122 | 100 | " | " | " | " | " | X |
| 621-64-7 | N-Nitrosodi-n-propylamine | < 111 | U, D | µg/l | 602 | 111 | 100 | " | " | " | " | " | X |
| 86-30-6 | N-Nitrosodiphenylamine | < 116 | U, D | µg/l | 602 | 116 | 100 | " | " | " | " | " | X |
| 87-86-5 | Pentachlorophenol | < 97.6 | U, D | µg/l | 2410 | 97.6 | 100 | " | " | " | " | " | X |
| 85-01-8 | Phenanthrene | < 105 | U, D | µg/l | 602 | 105 | 100 | " | " | " | " | " | X |
| 108-95-2 | Phenol | < 114 | U, D | µg/l | 602 | 114 | 100 | " | " | " | " | " | X |
| 129-00-0 | Pyrene | < 154 | U, D | µg/l | 602 | 154 | 100 | " | " | " | " | " | X |
| 110-86-1 | Pyridine | < 117 | U, D | µg/l | 602 | 117 | 100 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 111 | U, D | µg/l | 602 | 111 | 100 | " | " | " | " | " | X |
| 90-12-0 | 1-Methylnaphthalene | < 112 | U, D | µg/l | 602 | 112 | 100 | " | " | " | " | " | X |
| 95-95-4 | 2,4,5-Trichlorophenol | < 100 | U, D | µg/l | 602 | 100 | 100 | " | " | " | " | " | X |
| 88-06-2 | 2,4,6-Trichlorophenol | < 94.0 | U, D | µg/l | 602 | 94.0 | 100 | " | " | " | " | " | X |

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Sample Identification

MW-B

SB77308-02

Client Project #

48845-13

Matrix

Ground Water

Collection Date/Time

19-Sep-13 16:20

Received

20-Sep-13

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds

R05

Prepared by method SW846 3510C

| | | | | | | | | | | | | | |
|---------|--------------------------------|-------|------|------|-----|-----|-----|-------------|-----------|-----------|----|---------|---|
| 82-68-8 | Pentachloronitrobenzene | < 110 | U, D | µg/l | 602 | 110 | 100 | SW846 8270D | 26-Sep-13 | 01-Oct-13 | JG | 1323267 | X |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzen e | < 116 | U, D | µg/l | 602 | 116 | 100 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|-----------|----------------------|---|--------|--|----------|--|--|---|---|---|---|---|--|
| 321-60-8 | 2-Fluorobiphenyl | 0 | S01, U | | 30-130 % | | | " | " | " | " | " | |
| 367-12-4 | 2-Fluorophenol | 0 | S01, U | | 15-110 % | | | " | " | " | " | " | |
| 4165-60-0 | Nitrobenzene-d5 | 0 | S01, U | | 30-130 % | | | " | " | " | " | " | |
| 4165-62-2 | Phenol-d5 | 0 | S01, U | | 15-110 % | | | " | " | " | " | " | |
| 1718-51-0 | Terphenyl-d14 | 0 | S01, U | | 30-130 % | | | " | " | " | " | " | |
| 118-79-6 | 2,4,6-Tribromophenol | 0 | S01, U | | 15-110 % | | | " | " | " | " | " | |

Extractable Petroleum Hydrocarbons

Fingerprinting by GC

GS1

Prepared by method SW846 3510C

| | | | | | | | | | | | | | |
|------------|---------------------------------|------------------|------|------|------|------|----|----------------|-----------|-----------|-----|---------|--|
| 8006-61-9 | Gasoline | < 11.4 | U, D | mg/l | 11.8 | 11.4 | 50 | SW846 8100Mod. | 27-Sep-13 | 01-Oct-13 | SEP | 1323309 | |
| 68476-30-2 | Fuel Oil #2 | Calculated as | | mg/l | 11.8 | 8.8 | 50 | " | " | " | " | " | |
| 68476-31-3 | Fuel Oil #4 | < 1.2 | U, D | mg/l | 11.8 | 1.2 | 50 | " | " | " | " | " | |
| 68553-00-4 | Fuel Oil #6 | < 10.1 | U, D | mg/l | 11.8 | 10.1 | 50 | " | " | " | " | " | |
| M09800000 | Motor Oil | < 9.5 | U, D | mg/l | 11.8 | 9.5 | 50 | " | " | " | " | " | |
| 8032-32-4 | Ligroin | < 2.9 | U, D | mg/l | 11.8 | 2.9 | 50 | " | " | " | " | " | |
| J00100000 | Aviation Fuel | < 2.9 | U, D | mg/l | 11.8 | 2.9 | 50 | " | " | " | " | " | |
| | Hydraulic Oil | < 1.2 | U, D | mg/l | 11.8 | 1.2 | 50 | " | " | " | " | " | |
| | Dielectric Fluid | < 2.9 | U, D | mg/l | 11.8 | 2.9 | 50 | " | " | " | " | " | |
| | Unidentified | 483 | D | mg/l | 11.8 | 2.9 | 50 | " | " | " | " | " | |
| | Other Oil | Calculated as | | mg/l | 11.8 | 1.2 | 50 | " | " | " | " | " | |
| | Total Petroleum Hydrocarbons | 483 | D | mg/l | 11.8 | 1.2 | 50 | " | " | " | " | " | |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|-----------|--------------------|----|--|--|----------|--|--|---|---|---|---|---|--|
| 3386-33-2 | 1-Chlorooctadecane | 58 | | | 40-140 % | | | " | " | " | " | " | |
|-----------|--------------------|----|--|--|----------|--|--|---|---|---|---|---|--|

Total Metals by EPA 200/6000 Series Methods

Preservation

Lab
Preserved

N/A

1
EPA 200/6000
methods

25-Sep-13

25-Sep-13

LNB

1323140

Total Metals by EPA 6000/7000 Series Methods

| | | | | | | | | | | | | | |
|-----------|-----------|----------|---------------|------|--------|--------|---|-------------|-----------|-----------|-----|---------|---|
| 7440-22-4 | Silver | < 0.0086 | R01, U,LIV | mg/l | 0.100 | 0.0086 | 1 | SW846 6010C | 30-Sep-13 | 01-Oct-13 | edt | 1323503 | X |
| 7429-90-5 | Aluminum | 588 | R01,LIV | mg/l | 0.250 | 0.0760 | 1 | " | " | " | " | " | X |
| 7440-38-2 | Arsenic | 1.03 | R01,LIV | mg/l | 0.0400 | 0.0181 | 1 | " | " | " | " | " | X |
| 7440-39-3 | Barium | 5.86 | R01,LIV | mg/l | 0.0500 | 0.0068 | 1 | " | " | " | " | " | X |
| 7440-41-7 | Beryllium | 0.0257 | R01,LIV | mg/l | 0.0200 | 0.0018 | 1 | " | " | " | " | " | X |
| 7440-70-2 | Calcium | 2,840 | GS1, D,LIV | mg/l | 2.00 | 0.367 | 2 | " | " | 01-Oct-13 | " | " | X |
| 7440-43-9 | Cadmium | < 0.0082 | R01, U,LIV | mg/l | 0.0250 | 0.0082 | 1 | " | " | 01-Oct-13 | " | " | X |
| 7440-48-4 | Cobalt | 0.484 | R01,LIV | mg/l | 0.0500 | 0.0027 | 1 | " | " | " | " | " | X |
| 7440-47-3 | Chromium | 2.14 | R01,LIV | mg/l | 0.0500 | 0.0093 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 2.05 | R01,LIV | mg/l | 0.0500 | 0.0110 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 1,220 | R01,LIV | mg/l | 0.150 | 0.0745 | 1 | " | " | 01-Oct-13 | " | " | X |

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Sample Identification

MW-B

SB77308-02

Client Project #

48845-13

Matrix

Ground Water

Collection Date/Time

19-Sep-13 16:20

Received

20-Sep-13

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|---|-------------------|---------------|---------------|--------------|-------------|------------|-----------------|----------------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7440-09-7 | Potassium | 94.5 | R01,LIV | mg/l | 5.00 | 0.595 | 1 | SW846 6010C | 30-Sep-13 | 01-Oct-13 | JLM | 1323503 | X |
| 7439-95-4 | Magnesium | 557 | GS1, D,LIV | mg/l | 0.200 | 0.0250 | 2 | " | " | 01-Oct-13 | " | " | X |
| 7439-96-5 | Manganese | 59.5 | GS1, D,LIV | mg/l | 0.0400 | 0.0230 | 2 | " | " | " | " | " | X |
| 7440-23-5 | Sodium | 191 | R01,LIV | mg/l | 2.50 | 0.325 | 1 | " | " | 01-Oct-13 | " | " | X |
| 7440-02-0 | Nickel | 1.12 | R01,LIV | mg/l | 0.0500 | 0.0073 | 1 | " | " | 01-Oct-13 | " | " | X |
| 7439-92-1 | Lead | 1.85 | R01,LIV | mg/l | 0.0750 | 0.0200 | 1 | " | " | " | " | " | X |
| 7440-36-0 | Antimony | < 0.0142 | R01, U,LIV | mg/l | 0.0600 | 0.0142 | 1 | " | " | " | " | " | X |
| 7782-49-2 | Selenium | < 0.0302 | R01, U,LIV | mg/l | 0.150 | 0.0302 | 1 | " | " | " | " | " | X |
| 7440-28-0 | Thallium | 0.0485 | R01, J,LIV | mg/l | 0.0500 | 0.0294 | 1 | " | " | " | " | " | X |
| 7440-62-2 | Vanadium | 0.846 | R01,LIV | mg/l | 0.0500 | 0.0094 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 6.56 | R01,LIV | mg/l | 0.0500 | 0.0196 | 1 | " | " | " | " | " | X |
| Total Metals by EPA 200 Series Methods | | | | | | | | | | | | | |
| 7439-97-6 | Mercury | 0.00049 | R01, J,LIV | mg/l | 0.00080 | 0.00031 | 1 | EPA 245.1/7470A | 30-Sep-13 | 02-Oct-13 | LR | 1323504 | X |
| General Chemistry Parameters | | | | | | | | | | | | | |
| 57-12-5 | Cyanide (total) | < 0.00360 | U | mg/l | 0.00500 | 0.00360 | 1 | EPA 335.4 / SW846 9012B | 01-Oct-13 | 01-Oct-13 | RLT | 1323632 | X |

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Sample Identification

MW-C
SB77308-03

Client Project #
48845-13

Matrix
Ground Water

Collection Date/Time
19-Sep-13 13:55

Received
20-Sep-13

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|--|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 0.65 | U | µg/l | 1.00 | 0.65 | 1 | SW846 8260C | 30-Sep-13 | 30-Sep-13 | JEG | 1323478 | X |
| 67-64-1 | Acetone | < 2.56 | U | µg/l | 10.0 | 2.56 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.48 | U | µg/l | 0.50 | 0.48 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 0.67 | U | µg/l | 1.00 | 0.67 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 0.72 | U | µg/l | 1.00 | 0.72 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 0.71 | U | µg/l | 1.00 | 0.71 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.48 | U | µg/l | 0.50 | 0.48 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 0.60 | U | µg/l | 1.00 | 0.60 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 1.14 | U | µg/l | 2.00 | 1.14 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 1.93 | U | µg/l | 10.0 | 1.93 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 0.56 | U | µg/l | 1.00 | 0.56 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 0.82 | U | µg/l | 1.00 | 0.82 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 0.74 | U | µg/l | 1.00 | 0.74 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 1.28 | U | µg/l | 2.00 | 1.28 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 0.55 | U | µg/l | 1.00 | 0.55 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 0.65 | U | µg/l | 1.00 | 0.65 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 1.00 | U | µg/l | 2.00 | 1.00 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 0.69 | U | µg/l | 1.00 | 0.69 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 1.47 | U | µg/l | 2.00 | 1.47 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 0.79 | U | µg/l | 1.00 | 0.79 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 0.73 | U | µg/l | 1.00 | 0.73 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 1.20 | U | µg/l | 2.00 | 1.20 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.34 | U | µg/l | 0.50 | 0.34 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.36 | U | µg/l | 0.50 | 0.36 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 0.67 | U | µg/l | 1.00 | 0.67 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 0.67 | U | µg/l | 1.00 | 0.67 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 0.71 | U | µg/l | 1.00 | 0.71 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 0.62 | U | µg/l | 1.00 | 0.62 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 0.45 | U | µg/l | 2.00 | 0.45 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 0.68 | U | µg/l | 1.00 | 0.68 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 0.78 | U | µg/l | 1.00 | 0.78 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 0.49 | U | µg/l | 1.00 | 0.49 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 0.72 | U | µg/l | 1.00 | 0.72 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 0.83 | U | µg/l | 1.00 | 0.83 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 0.77 | U | µg/l | 1.00 | 0.77 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 0.81 | U | µg/l | 1.00 | 0.81 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 0.87 | U | µg/l | 1.00 | 0.87 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 0.64 | U | µg/l | 1.00 | 0.64 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.36 | U | µg/l | 0.50 | 0.36 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.50 | U | µg/l | 0.50 | 0.50 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 0.95 | U | µg/l | 1.00 | 0.95 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.49 | U | µg/l | 0.50 | 0.49 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 0.66 | U | µg/l | 10.0 | 0.66 | 1 | " | " | " | " | " | X |

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Sample Identification

MW-C

SB77308-03

Client Project #

48845-13

Matrix

Ground Water

Collection Date/Time

19-Sep-13 13:55

Received

20-Sep-13

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|--|-----------------------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 98-82-8 | Isopropylbenzene | < 0.62 | U | µg/l | 1.00 | 0.62 | 1 | SW846 8260C | 30-Sep-13 | 30-Sep-13 | JEG | 1323478 | X |
| 99-87-6 | 4-Isopropyltoluene | < 0.61 | U | µg/l | 1.00 | 0.61 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 0.65 | U | µg/l | 1.00 | 0.65 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 2.76 | U | µg/l | 10.0 | 2.76 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 0.95 | U | µg/l | 2.00 | 0.95 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 0.58 | U | µg/l | 1.00 | 0.58 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 0.76 | U | µg/l | 1.00 | 0.76 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 0.62 | U | µg/l | 1.00 | 0.62 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 0.67 | U | µg/l | 1.00 | 0.67 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.32 | U | µg/l | 0.50 | 0.32 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 0.74 | U | µg/l | 1.00 | 0.74 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | 0.84 | J | µg/l | 1.00 | 0.81 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 0.38 | U | µg/l | 1.00 | 0.38 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 0.36 | U | µg/l | 1.00 | 0.36 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 0.78 | U | µg/l | 1.00 | 0.78 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 0.58 | U | µg/l | 1.00 | 0.58 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 0.64 | U | µg/l | 1.00 | 0.64 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 0.76 | U | µg/l | 1.00 | 0.76 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 0.63 | U | µg/l | 1.00 | 0.63 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 0.74 | U | µg/l | 1.00 | 0.74 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 0.76 | U | µg/l | 1.00 | 0.76 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 0.74 | U | µg/l | 1.00 | 0.74 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 0.81 | U | µg/l | 1.00 | 0.81 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 1.64 | U | µg/l | 2.00 | 1.64 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 0.88 | U | µg/l | 1.00 | 0.88 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 1.44 | U | µg/l | 2.00 | 1.44 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 0.69 | U | µg/l | 1.00 | 0.69 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 0.72 | U | µg/l | 1.00 | 0.72 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 0.78 | U | µg/l | 1.00 | 0.78 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 0.73 | U | µg/l | 1.00 | 0.73 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 8.64 | U | µg/l | 10.0 | 8.64 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 12.0 | U | µg/l | 20.0 | 12.0 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-butene | < 0.74 | U | µg/l | 5.00 | 0.74 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 35.0 | U | µg/l | 400 | 35.0 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 101 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 100 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 105 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 97 | | | 70-130 % | | | " | " | " | " | " | |

Tentatively Identified Compounds by GC/MS

Prepared by method SW846 5030 Water MS

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Sample Identification

MW-C Client Project # 48845-13 Matrix Ground Water Collection Date/Time 19-Sep-13 13:55 Received 20-Sep-13
 SB77308-03

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Tentatively Identified Compounds by GC/MS

Prepared by method SW846 5030 Water MS

| | | | | | | | | | | | | | |
|----------------------------------|------------|--|--|------|--|--|---|------------------|-----------|-----------|-----|---------|--|
| Tentatively Identified Compounds | None found | | | µg/l | | | 1 | SW846 8260C TICs | 30-Sep-13 | 30-Sep-13 | JEG | 1323478 | |
|----------------------------------|------------|--|--|------|--|--|---|------------------|-----------|-----------|-----|---------|--|

Extractable Petroleum Hydrocarbons

Fingerprinting by GC

Prepared by method SW846 3510C

| | | | | | | | | | | | | | |
|------------|------------------------------|--------|---|------|-----|------|---|----------------|-----------|-----------|-----|---------|--|
| 8006-61-9 | Gasoline | < 0.2 | U | mg/l | 0.2 | 0.2 | 1 | SW846 8100Mod. | 27-Sep-13 | 01-Oct-13 | SEP | 1323309 | |
| 68476-30-2 | Fuel Oil #2 | < 0.2 | U | mg/l | 0.2 | 0.2 | 1 | " | " | " | " | " | |
| 68476-31-3 | Fuel Oil #4 | < 0.02 | U | mg/l | 0.2 | 0.02 | 1 | " | " | " | " | " | |
| 68553-00-4 | Fuel Oil #6 | < 0.2 | U | mg/l | 0.2 | 0.2 | 1 | " | " | " | " | " | |
| M09800000 | Motor Oil | < 0.2 | U | mg/l | 0.2 | 0.2 | 1 | " | " | " | " | " | |
| 8032-32-4 | Ligroin | < 0.06 | U | mg/l | 0.2 | 0.06 | 1 | " | " | " | " | " | |
| J00100000 | Aviation Fuel | < 0.06 | U | mg/l | 0.2 | 0.06 | 1 | " | " | " | " | " | |
| | Hydraulic Oil | < 0.02 | U | mg/l | 0.2 | 0.02 | 1 | " | " | " | " | " | |
| | Dielectric Fluid | < 0.06 | U | mg/l | 0.2 | 0.06 | 1 | " | " | " | " | " | |
| | Unidentified | < 0.06 | U | mg/l | 0.2 | 0.06 | 1 | " | " | " | " | " | |
| | Other Oil | < 0.02 | U | mg/l | 0.2 | 0.02 | 1 | " | " | " | " | " | |
| | Total Petroleum Hydrocarbons | < 0.02 | U | mg/l | 0.2 | 0.02 | 1 | " | " | " | " | " | |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|-----------|--------------------|----|--|--|----------|--|--|---|---|---|---|---|--|
| 3386-33-2 | 1-Chlorooctadecane | 69 | | | 40-140 % | | | " | " | " | " | " | |
|-----------|--------------------|----|--|--|----------|--|--|---|---|---|---|---|--|

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Sample Identification

MW-D

SB77308-04

Client Project #

48845-13

Matrix

Ground Water

Collection Date/Time

19-Sep-13 15:30

Received

20-Sep-13

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|--|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 0.65 | U | µg/l | 1.00 | 0.65 | 1 | SW846 8260C | 30-Sep-13 | 30-Sep-13 | JEG | 1323478 | X |
| 67-64-1 | Acetone | < 2.56 | U | µg/l | 10.0 | 2.56 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.48 | U | µg/l | 0.50 | 0.48 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 0.67 | U | µg/l | 1.00 | 0.67 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 0.72 | U | µg/l | 1.00 | 0.72 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 0.71 | U | µg/l | 1.00 | 0.71 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.48 | U | µg/l | 0.50 | 0.48 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 0.60 | U | µg/l | 1.00 | 0.60 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 1.14 | U | µg/l | 2.00 | 1.14 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 1.93 | U | µg/l | 10.0 | 1.93 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 0.56 | U | µg/l | 1.00 | 0.56 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | 1.05 | | µg/l | 1.00 | 0.82 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | 1.90 | | µg/l | 1.00 | 0.74 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 1.28 | U | µg/l | 2.00 | 1.28 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 0.55 | U | µg/l | 1.00 | 0.55 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 0.65 | U | µg/l | 1.00 | 0.65 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 1.00 | U | µg/l | 2.00 | 1.00 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 0.69 | U | µg/l | 1.00 | 0.69 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 1.47 | U | µg/l | 2.00 | 1.47 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 0.79 | U | µg/l | 1.00 | 0.79 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 0.73 | U | µg/l | 1.00 | 0.73 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 1.20 | U | µg/l | 2.00 | 1.20 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.34 | U | µg/l | 0.50 | 0.34 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.36 | U | µg/l | 0.50 | 0.36 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 0.67 | U | µg/l | 1.00 | 0.67 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 0.67 | U | µg/l | 1.00 | 0.67 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 0.71 | U | µg/l | 1.00 | 0.71 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 0.62 | U | µg/l | 1.00 | 0.62 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 0.45 | U | µg/l | 2.00 | 0.45 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 0.68 | U | µg/l | 1.00 | 0.68 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 0.78 | U | µg/l | 1.00 | 0.78 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 0.49 | U | µg/l | 1.00 | 0.49 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 0.72 | U | µg/l | 1.00 | 0.72 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 0.83 | U | µg/l | 1.00 | 0.83 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 0.77 | U | µg/l | 1.00 | 0.77 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 0.81 | U | µg/l | 1.00 | 0.81 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 0.87 | U | µg/l | 1.00 | 0.87 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 0.64 | U | µg/l | 1.00 | 0.64 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.36 | U | µg/l | 0.50 | 0.36 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.50 | U | µg/l | 0.50 | 0.50 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 0.95 | U | µg/l | 1.00 | 0.95 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.49 | U | µg/l | 0.50 | 0.49 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 0.66 | U | µg/l | 10.0 | 0.66 | 1 | " | " | " | " | " | X |

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Sample Identification

MW-D

SB77308-04

Client Project #

48845-13

Matrix

Ground Water

Collection Date/Time

19-Sep-13 15:30

Received

20-Sep-13

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5030 Water MS

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|---|------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 98-82-8 | Isopropylbenzene | < 0.62 | U | µg/l | 1.00 | 0.62 | 1 | SW846 8260C | 30-Sep-13 | 30-Sep-13 | JEG | 1323478 | X |
| 99-87-6 | 4-Isopropyltoluene | < 0.61 | U | µg/l | 1.00 | 0.61 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 0.65 | U | µg/l | 1.00 | 0.65 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 2.76 | U | µg/l | 10.0 | 2.76 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 0.95 | U | µg/l | 2.00 | 0.95 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 0.58 | U | µg/l | 1.00 | 0.58 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 0.76 | U | µg/l | 1.00 | 0.76 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 0.62 | U | µg/l | 1.00 | 0.62 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 0.67 | U | µg/l | 1.00 | 0.67 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.32 | U | µg/l | 0.50 | 0.32 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 0.74 | U | µg/l | 1.00 | 0.74 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 0.81 | U | µg/l | 1.00 | 0.81 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 0.38 | U | µg/l | 1.00 | 0.38 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 0.36 | U | µg/l | 1.00 | 0.36 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 0.78 | U | µg/l | 1.00 | 0.78 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 0.58 | U | µg/l | 1.00 | 0.58 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 0.64 | U | µg/l | 1.00 | 0.64 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 0.76 | U | µg/l | 1.00 | 0.76 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 0.63 | U | µg/l | 1.00 | 0.63 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 0.74 | U | µg/l | 1.00 | 0.74 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 0.76 | U | µg/l | 1.00 | 0.76 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 0.74 | U | µg/l | 1.00 | 0.74 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 0.81 | U | µg/l | 1.00 | 0.81 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 1.64 | U | µg/l | 2.00 | 1.64 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 0.88 | U | µg/l | 1.00 | 0.88 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 1.44 | U | µg/l | 2.00 | 1.44 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 0.69 | U | µg/l | 1.00 | 0.69 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 0.72 | U | µg/l | 1.00 | 0.72 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 0.78 | U | µg/l | 1.00 | 0.78 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 0.73 | U | µg/l | 1.00 | 0.73 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 8.64 | U | µg/l | 10.0 | 8.64 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 12.0 | U | µg/l | 20.0 | 12.0 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-butene | < 0.74 | U | µg/l | 5.00 | 0.74 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 35.0 | U | µg/l | 400 | 35.0 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 101 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 101 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 105 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 99 | | | 70-130 % | | | " | " | " | " | " | |

Tentatively Identified Compounds by GC/MS

Prepared by method SW846 5030 Water MS

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

MW-D

SB77308-04

Client Project #

48845-13

Matrix

Ground Water

Collection Date/Time

19-Sep-13 15:30

Received

20-Sep-13

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Volatile Organic Compounds

Tentatively Identified Compounds by GC/MS

Prepared by method SW846 5030 Water MS

| | | | | | | | | | | | | | |
|-------------|------------------------------------|------|-----|------|--|--|---|------------------|-----------|-----------|-----|---------|--|
| 004912-92-9 | 1H-Indene, 2,3-dihydro-1,1-... | 10.7 | TIC | µg/l | | | 1 | SW846 8260C TICs | 30-Sep-13 | 30-Sep-13 | JEG | 1323478 | |
| 020836-11-7 | 1H-Indene,2,3-dihydro-2,2 -d... | 9.1 | TIC | µg/l | | | 1 | " | " | " | " | " | |
| 001196-58-3 | Benzene, (1-ethylpropyl)- | 8.0 | TIC | µg/l | | | 1 | " | " | " | " | " | |
| | Cyclohexane, 1,1,3-trimethyl- | 8.7 | TIC | µg/l | | | 1 | " | " | " | " | " | |
| 000091-17-8 | Naphthalene, decahydro- | 12.2 | TIC | µg/l | | | 1 | " | " | " | " | " | |
| 032273-77-1 | Pentalene, octahydro-1-methyl- | 10.9 | TIC | µg/l | | | 1 | " | " | " | " | " | |

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds

Prepared by method SW846 3510C

| | | | | | | | | | | | | | |
|-----------|---------------------------------|---------|---|------|------|-------|---|-------------|-----------|-----------|----|---------|---|
| 83-32-9 | Acenaphthene | < 0.928 | U | µg/l | 5.15 | 0.928 | 1 | SW846 8270D | 26-Sep-13 | 01-Oct-13 | JG | 1323267 | X |
| 208-96-8 | Acenaphthylene | < 0.897 | U | µg/l | 5.15 | 0.897 | 1 | " | " | " | " | " | X |
| 62-53-3 | Aniline | < 0.649 | U | µg/l | 5.15 | 0.649 | 1 | " | " | " | " | " | X |
| 120-12-7 | Anthracene | < 0.928 | U | µg/l | 5.15 | 0.928 | 1 | " | " | " | " | " | X |
| 103-33-3 | Azobenzene/Diphenyldiaz ene | < 0.773 | U | µg/l | 5.15 | 0.773 | 1 | " | " | " | " | " | |
| 92-87-5 | Benzidine | < 4.51 | U | µg/l | 5.15 | 4.51 | 1 | " | " | " | " | " | X |
| 56-55-3 | Benzo (a) anthracene | < 1.23 | U | µg/l | 5.15 | 1.23 | 1 | " | " | " | " | " | X |
| 50-32-8 | Benzo (a) pyrene | < 0.897 | U | µg/l | 5.15 | 0.897 | 1 | " | " | " | " | " | X |
| 205-99-2 | Benzo (b) fluoranthene | < 0.876 | U | µg/l | 5.15 | 0.876 | 1 | " | " | " | " | " | X |
| 191-24-2 | Benzo (g,h,i) perylene | < 0.928 | U | µg/l | 5.15 | 0.928 | 1 | " | " | " | " | " | X |
| 207-08-9 | Benzo (k) fluoranthene | < 1.14 | U | µg/l | 5.15 | 1.14 | 1 | " | " | " | " | " | X |
| 65-85-0 | Benzoic acid | < 2.24 | U | µg/l | 5.15 | 2.24 | 1 | " | " | " | " | " | X |
| 100-51-6 | Benzyl alcohol | < 0.959 | U | µg/l | 5.15 | 0.959 | 1 | " | " | " | " | " | X |
| 111-91-1 | Bis(2-chloroethoxy)metha ne | < 0.722 | U | µg/l | 5.15 | 0.722 | 1 | " | " | " | " | " | X |
| 111-44-4 | Bis(2-chloroethyl)ether | < 0.866 | U | µg/l | 5.15 | 0.866 | 1 | " | " | " | " | " | X |
| 108-60-1 | Bis(2-chloroisopropyl)ethe r | < 1.01 | U | µg/l | 5.15 | 1.01 | 1 | " | " | " | " | " | X |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | < 1.05 | U | µg/l | 5.15 | 1.05 | 1 | " | " | " | " | " | X |
| 101-55-3 | 4-Bromophenyl phenyl ether | < 0.876 | U | µg/l | 5.15 | 0.876 | 1 | " | " | " | " | " | X |
| 85-68-7 | Butyl benzyl phthalate | < 1.06 | U | µg/l | 5.15 | 1.06 | 1 | " | " | " | " | " | X |
| 86-74-8 | Carbazole | < 3.31 | U | µg/l | 5.15 | 3.31 | 1 | " | " | " | " | " | X |
| 59-50-7 | 4-Chloro-3-methylphenol | < 0.979 | U | µg/l | 5.15 | 0.979 | 1 | " | " | " | " | " | X |
| 106-47-8 | 4-Chloroaniline | < 0.577 | U | µg/l | 5.15 | 0.577 | 1 | " | " | " | " | " | X |
| 91-58-7 | 2-Chloronaphthalene | < 0.897 | U | µg/l | 5.15 | 0.897 | 1 | " | " | " | " | " | X |
| 95-57-8 | 2-Chlorophenol | < 0.990 | U | µg/l | 5.15 | 0.990 | 1 | " | " | " | " | " | X |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | < 0.918 | U | µg/l | 5.15 | 0.918 | 1 | " | " | " | " | " | X |
| 218-01-9 | Chrysene | < 1.18 | U | µg/l | 5.15 | 1.18 | 1 | " | " | " | " | " | X |
| 53-70-3 | Dibenzo (a,h) anthracene | < 0.959 | U | µg/l | 5.15 | 0.959 | 1 | " | " | " | " | " | X |
| 132-64-9 | Dibenzofuran | < 0.907 | U | µg/l | 5.15 | 0.907 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.01 | U | µg/l | 5.15 | 1.01 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 0.990 | U | µg/l | 5.15 | 0.990 | 1 | " | " | " | " | " | X |

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Sample Identification

MW-D

SB77308-04

Client Project

48845-13

Matrix

Ground Water

Collection Date/Time

19-Sep-13 15:30

Received

20-Sep-13

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---|----------------------------|---------|------|-------|------|-------|----------|-------------|-----------|-----------|---------|---------|-------|
| Semivolatile Organic Compounds by GCMS | | | | | | | | | | | | | |
| Semivolatile Organic Compounds | | | | | | | | | | | | | |
| Prepared by method SW846 3510C | | | | | | | | | | | | | |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.03 | U | µg/l | 5.15 | 1.03 | 1 | SW846 8270D | 26-Sep-13 | 01-Oct-13 | JG | 1323267 | X |
| 91-94-1 | 3,3'-Dichlorobenzidine | < 0.701 | U | µg/l | 5.15 | 0.701 | 1 | " | " | " | " | " | X |
| 120-83-2 | 2,4-Dichlorophenol | < 0.845 | U | µg/l | 5.15 | 0.845 | 1 | " | " | " | " | " | X |
| 84-66-2 | Diethyl phthalate | < 0.887 | U | µg/l | 5.15 | 0.887 | 1 | " | " | " | " | " | X |
| 131-11-3 | Dimethyl phthalate | < 0.938 | U | µg/l | 5.15 | 0.938 | 1 | " | " | " | " | " | X |
| 105-67-9 | 2,4-Dimethylphenol | < 0.835 | U | µg/l | 5.15 | 0.835 | 1 | " | " | " | " | " | X |
| 84-74-2 | Di-n-butyl phthalate | < 0.969 | U | µg/l | 5.15 | 0.969 | 1 | " | " | " | " | " | X |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | < 0.691 | U | µg/l | 5.15 | 0.691 | 1 | " | " | " | " | " | X |
| 51-28-5 | 2,4-Dinitrophenol | < 2.96 | U | µg/l | 5.15 | 2.96 | 1 | " | " | " | " | " | X |
| 121-14-2 | 2,4-Dinitrotoluene | < 0.969 | U | µg/l | 5.15 | 0.969 | 1 | " | " | " | " | " | X |
| 606-20-2 | 2,6-Dinitrotoluene | < 0.969 | U | µg/l | 5.15 | 0.969 | 1 | " | " | " | " | " | X |
| 117-84-0 | Di-n-octyl phthalate | < 0.804 | U | µg/l | 5.15 | 0.804 | 1 | " | " | " | " | " | X |
| 206-44-0 | Fluoranthene | < 0.990 | U | µg/l | 5.15 | 0.990 | 1 | " | " | " | " | " | X |
| 86-73-7 | Fluorene | < 0.928 | U | µg/l | 5.15 | 0.928 | 1 | " | " | " | " | " | X |
| 118-74-1 | Hexachlorobenzene | < 0.959 | U | µg/l | 5.15 | 0.959 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.856 | U | µg/l | 5.15 | 0.856 | 1 | " | " | " | " | " | X |
| 77-47-4 | Hexachlorocyclopentadiene | < 4.87 | U | µg/l | 5.15 | 4.87 | 1 | " | " | " | " | " | X |
| 67-72-1 | Hexachloroethane | < 1.04 | U | µg/l | 5.15 | 1.04 | 1 | " | " | " | " | " | X |
| 193-39-5 | Indeno (1,2,3-cd) pyrene | < 0.948 | U | µg/l | 5.15 | 0.948 | 1 | " | " | " | " | " | X |
| 78-59-1 | Isophorone | < 0.856 | U | µg/l | 5.15 | 0.856 | 1 | " | " | " | " | " | X |
| 91-57-6 | 2-Methylnaphthalene | < 0.938 | U | µg/l | 5.15 | 0.938 | 1 | " | " | " | " | " | X |
| 95-48-7 | 2-Methylphenol | < 0.990 | U | µg/l | 5.15 | 0.990 | 1 | " | " | " | " | " | X |
| 108-39-4, 106-44-5 | 3 & 4-Methylphenol | < 0.969 | U | µg/l | 10.3 | 0.969 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 0.918 | U | µg/l | 5.15 | 0.918 | 1 | " | " | " | " | " | X |
| 88-74-4 | 2-Nitroaniline | < 0.845 | U | µg/l | 5.15 | 0.845 | 1 | " | " | " | " | " | X |
| 99-09-2 | 3-Nitroaniline | < 0.660 | U | µg/l | 5.15 | 0.660 | 1 | " | " | " | " | " | X |
| 100-01-6 | 4-Nitroaniline | < 0.742 | U | µg/l | 20.6 | 0.742 | 1 | " | " | " | " | " | X |
| 98-95-3 | Nitrobenzene | < 0.979 | U | µg/l | 5.15 | 0.979 | 1 | " | " | " | " | " | X |
| 88-75-5 | 2-Nitrophenol | < 1.06 | U | µg/l | 5.15 | 1.06 | 1 | " | " | " | " | " | X |
| 100-02-7 | 4-Nitrophenol | < 2.88 | U | µg/l | 20.6 | 2.88 | 1 | " | " | " | " | " | X |
| 62-75-9 | N-Nitrosodimethylamine | < 1.04 | U | µg/l | 5.15 | 1.04 | 1 | " | " | " | " | " | X |
| 621-64-7 | N-Nitrosodi-n-propylamine | < 0.948 | U | µg/l | 5.15 | 0.948 | 1 | " | " | " | " | " | X |
| 86-30-6 | N-Nitrosodiphenylamine | < 0.990 | U | µg/l | 5.15 | 0.990 | 1 | " | " | " | " | " | X |
| 87-86-5 | Pentachlorophenol | < 0.835 | U | µg/l | 20.6 | 0.835 | 1 | " | " | " | " | " | X |
| 85-01-8 | Phenanthrene | < 0.897 | U | µg/l | 5.15 | 0.897 | 1 | " | " | " | " | " | X |
| 108-95-2 | Phenol | < 0.979 | U | µg/l | 5.15 | 0.979 | 1 | " | " | " | " | " | X |
| 129-00-0 | Pyrene | < 1.32 | U | µg/l | 5.15 | 1.32 | 1 | " | " | " | " | " | X |
| 110-86-1 | Pyridine | < 1.00 | U | µg/l | 5.15 | 1.00 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 0.948 | U | µg/l | 5.15 | 0.948 | 1 | " | " | " | " | " | X |
| 90-12-0 | 1-Methylnaphthalene | < 0.959 | U | µg/l | 5.15 | 0.959 | 1 | " | " | " | " | " | X |
| 95-95-4 | 2,4,5-Trichlorophenol | < 0.856 | U | µg/l | 5.15 | 0.856 | 1 | " | " | " | " | " | X |
| 88-06-2 | 2,4,6-Trichlorophenol | < 0.804 | U | µg/l | 5.15 | 0.804 | 1 | " | " | " | " | " | X |
| 82-68-8 | Pentachloronitrobenzene | < 0.938 | U | µg/l | 5.15 | 0.938 | 1 | " | " | " | " | " | X |

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Sample Identification

MW-D Client Project # 48845-13 Matrix Ground Water Collection Date/Time 19-Sep-13 15:30 Received 20-Sep-13
 SB77308-04

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds

Prepared by method SW846 3510C

| | | | | | | | | | | | | | |
|---------|----------------------------|---------|---|------|------|-------|---|-------------|-----------|-----------|----|---------|---|
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | < 0.990 | U | µg/l | 5.15 | 0.990 | 1 | SW846 8270D | 26-Sep-13 | 01-Oct-13 | JG | 1323267 | X |
|---------|----------------------------|---------|---|------|------|-------|---|-------------|-----------|-----------|----|---------|---|

Surrogate recoveries:

| | | | | | | | | | | | | | |
|-----------|----------------------|----|--|--|--|--|--|--|--|--|--|--|--|
| 321-60-8 | 2-Fluorobiphenyl | 62 | | | | | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 39 | | | | | | | | | | | |
| 4165-60-0 | Nitrobenzene-d5 | 61 | | | | | | | | | | | |
| 4165-62-2 | Phenol-d5 | 33 | | | | | | | | | | | |
| 1718-51-0 | Terphenyl-d14 | 84 | | | | | | | | | | | |
| 118-79-6 | 2,4,6-Tribromophenol | 81 | | | | | | | | | | | |

Extractable Petroleum Hydrocarbons

Fingerprinting by GC

Prepared by method SW846 3510C

| | | | | | | | | | | | | | |
|------------|------------------------------|---------------|---|------|-----|------|---|----------------|-----------|-----------|-----|---------|--|
| 8006-61-9 | Gasoline | < 0.2 | U | mg/l | 0.2 | 0.2 | 1 | SW846 8100Mod. | 27-Sep-13 | 01-Oct-13 | SEP | 1323309 | |
| 68476-30-2 | Fuel Oil #2 | Calculated as | | mg/l | 0.2 | 0.2 | 1 | " | " | " | " | " | |
| 68476-31-3 | Fuel Oil #4 | < 0.02 | U | mg/l | 0.2 | 0.02 | 1 | " | " | " | " | " | |
| 68553-00-4 | Fuel Oil #6 | < 0.2 | U | mg/l | 0.2 | 0.2 | 1 | " | " | " | " | " | |
| M09800000 | Motor Oil | < 0.2 | U | mg/l | 0.2 | 0.2 | 1 | " | " | " | " | " | |
| 8032-32-4 | Ligroin | Calculated as | | mg/l | 0.2 | 0.05 | 1 | " | " | " | " | " | |
| J00100000 | Aviation Fuel | < 0.05 | U | mg/l | 0.2 | 0.05 | 1 | " | " | " | " | " | |
| | Hydraulic Oil | < 0.02 | U | mg/l | 0.2 | 0.02 | 1 | " | " | " | " | " | |
| | Dielectric Fluid | < 0.05 | U | mg/l | 0.2 | 0.05 | 1 | " | " | " | " | " | |
| | Unidentified | 7.3 | | mg/l | 0.2 | 0.05 | 1 | " | " | " | " | " | |
| | Other Oil | < 0.02 | U | mg/l | 0.2 | 0.02 | 1 | " | " | " | " | " | |
| | Total Petroleum Hydrocarbons | 7.3 | | mg/l | 0.2 | 0.02 | 1 | " | " | " | " | " | |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|-----------|--------------------|----|--|--|--|--|--|--|--|--|--|--|--|
| 3386-33-2 | 1-Chlorooctadecane | 84 | | | | | | | | | | | |
|-----------|--------------------|----|--|--|--|--|--|--|--|--|--|--|--|

Total Metals by EPA 200/6000 Series Methods

| | | | | | | | | | | | | | |
|--------------|-----------------|--|-----|--|--|--|---|----------------------|--|--|-----|---------|--|
| Preservation | Field Preserved | | N/A | | | | 1 | EPA 200/6000 methods | | | LNB | 1323140 | |
|--------------|-----------------|--|-----|--|--|--|---|----------------------|--|--|-----|---------|--|

Total Metals by EPA 6000/7000 Series Methods

| | | | | | | | | | | | | | |
|-----------|-----------|----------|--------|------|--------|--------|---|-------------|-----------|-----------|-----|---------|---|
| 7440-22-4 | Silver | < 0.0009 | R01, U | mg/l | 0.0100 | 0.0009 | 1 | SW846 6010C | 30-Sep-13 | 01-Oct-13 | edt | 1323503 | X |
| 7429-90-5 | Aluminum | 28.9 | | mg/l | 0.0250 | 0.0076 | 1 | " | " | " | " | " | X |
| 7440-38-2 | Arsenic | 0.0460 | | mg/l | 0.0040 | 0.0018 | 1 | " | " | " | " | " | X |
| 7440-39-3 | Barium | 0.428 | | mg/l | 0.0050 | 0.0007 | 1 | " | " | " | " | " | X |
| 7440-41-7 | Beryllium | 0.0016 | J | mg/l | 0.0020 | 0.0002 | 1 | " | " | " | " | " | X |
| 7440-70-2 | Calcium | 288 | GS1, D | mg/l | 0.200 | 0.0367 | 2 | " | " | 01-Oct-13 | " | " | X |
| 7440-43-9 | Cadmium | < 0.0008 | U | mg/l | 0.0025 | 0.0008 | 1 | " | " | 01-Oct-13 | " | " | X |
| 7440-48-4 | Cobalt | 0.0233 | | mg/l | 0.0050 | 0.0003 | 1 | " | " | " | " | " | X |
| 7440-47-3 | Chromium | 0.0574 | | mg/l | 0.0050 | 0.0009 | 1 | " | " | " | " | " | X |
| 7440-50-8 | Copper | 0.167 | | mg/l | 0.0050 | 0.0011 | 1 | " | " | " | " | " | X |
| 7439-89-6 | Iron | 59.8 | | mg/l | 0.0150 | 0.0074 | 1 | " | " | 01-Oct-13 | " | " | X |
| 7440-09-7 | Potassium | 9.80 | | mg/l | 0.500 | 0.0595 | 1 | " | " | " | " | " | X |
| 7439-95-4 | Magnesium | 67.9 | GS1, D | mg/l | 0.0200 | 0.0025 | 2 | " | " | 01-Oct-13 | " | " | X |

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Sample Identification

MW-D

SB77308-04

Client Project #

48845-13

Matrix

Ground Water

Collection Date/Time

19-Sep-13 15:30

Received

20-Sep-13

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|---|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|----------------------------|-----------------|-----------------|----------------|--------------|--------------|
| Total Metals by EPA 6000/7000 Series Methods | | | | | | | | | | | | | |
| 7439-96-5 | Manganese | 2.73 | | mg/l | 0.0020 | 0.0012 | 1 | SW846 6010C | 30-Sep-13 | 01-Oct-13 | edt | 1323503 | X |
| 7440-23-5 | Sodium | 98.0 | | mg/l | 0.250 | 0.0325 | 1 | " | " | 01-Oct-13 | " | " | X |
| 7440-02-0 | Nickel | 0.0578 | | mg/l | 0.0050 | 0.0007 | 1 | " | " | 01-Oct-13 | " | " | X |
| 7439-92-1 | Lead | 0.0784 | | mg/l | 0.0075 | 0.0020 | 1 | " | " | " | " | " | X |
| 7440-36-0 | Antimony | < 0.0014 | U | mg/l | 0.0060 | 0.0014 | 1 | " | " | " | " | " | X |
| 7782-49-2 | Selenium | < 0.0030 | U | mg/l | 0.0150 | 0.0030 | 1 | " | " | " | " | " | X |
| 7440-28-0 | Thallium | < 0.0029 | U | mg/l | 0.0050 | 0.0029 | 1 | " | " | " | " | " | X |
| 7440-62-2 | Vanadium | 0.0472 | | mg/l | 0.0050 | 0.0009 | 1 | " | " | " | " | " | X |
| 7440-66-6 | Zinc | 0.471 | | mg/l | 0.0050 | 0.0020 | 1 | " | " | " | " | " | X |
| Total Metals by EPA 200 Series Methods | | | | | | | | | | | | | |
| 7439-97-6 | Mercury | < 0.00008 | U | mg/l | 0.00020 | 0.00008 | 1 | EPA 245.1/7470A | 30-Sep-13 | 02-Oct-13 | LR | 1323504 | X |
| General Chemistry Parameters | | | | | | | | | | | | | |
| 57-12-5 | Cyanide (total) | < 0.00360 | U | mg/l | 0.00500 | 0.00360 | 1 | EPA 335.4 / SW846 9012B | 26-Sep-13 | 27-Sep-13 | RLT | 1323263 | X |

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Sample Identification

MW-E

SB77308-05

Client Project #

48845-13

Matrix

Ground Water

Collection Date/Time

19-Sep-13 15:30

Received

20-Sep-13

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|--|--|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 0.65 | U | µg/l | 1.00 | 0.65 | 1 | SW846 8260C | 27-Sep-13 | 27-Sep-13 | naa | 1323343 | X |
| 67-64-1 | Acetone | 9.53 | J | µg/l | 10.0 | 2.56 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.48 | U | µg/l | 0.50 | 0.48 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 0.67 | U | µg/l | 1.00 | 0.67 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 0.72 | U | µg/l | 1.00 | 0.72 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 0.71 | U | µg/l | 1.00 | 0.71 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.48 | U | µg/l | 0.50 | 0.48 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 0.60 | U | µg/l | 1.00 | 0.60 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 1.14 | U | µg/l | 2.00 | 1.14 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 1.93 | U | µg/l | 10.0 | 1.93 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 0.56 | U | µg/l | 1.00 | 0.56 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 0.82 | U | µg/l | 1.00 | 0.82 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 0.74 | U | µg/l | 1.00 | 0.74 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 1.28 | U | µg/l | 2.00 | 1.28 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 0.55 | U | µg/l | 1.00 | 0.55 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 0.65 | U | µg/l | 1.00 | 0.65 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 1.00 | U | µg/l | 2.00 | 1.00 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 0.69 | U | µg/l | 1.00 | 0.69 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 1.47 | U | µg/l | 2.00 | 1.47 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 0.79 | U | µg/l | 1.00 | 0.79 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 0.73 | U | µg/l | 1.00 | 0.73 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 1.20 | U | µg/l | 2.00 | 1.20 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.34 | U | µg/l | 0.50 | 0.34 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.36 | U | µg/l | 0.50 | 0.36 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 0.67 | U | µg/l | 1.00 | 0.67 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 0.67 | U | µg/l | 1.00 | 0.67 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 0.71 | U | µg/l | 1.00 | 0.71 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 0.62 | U | µg/l | 1.00 | 0.62 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 0.45 | U | µg/l | 2.00 | 0.45 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 0.68 | U | µg/l | 1.00 | 0.68 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 0.78 | U | µg/l | 1.00 | 0.78 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 0.49 | U | µg/l | 1.00 | 0.49 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 0.72 | U | µg/l | 1.00 | 0.72 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 0.83 | U | µg/l | 1.00 | 0.83 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 0.77 | U | µg/l | 1.00 | 0.77 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 0.81 | U | µg/l | 1.00 | 0.81 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 0.87 | U | µg/l | 1.00 | 0.87 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 0.64 | U | µg/l | 1.00 | 0.64 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.36 | U | µg/l | 0.50 | 0.36 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.50 | U | µg/l | 0.50 | 0.50 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 0.95 | U | µg/l | 1.00 | 0.95 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.49 | U | µg/l | 0.50 | 0.49 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 0.66 | U | µg/l | 10.0 | 0.66 | 1 | " | " | " | " | " | X |

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Sample Identification

MW-E

SB77308-05

Client Project #

48845-13

Matrix

Ground Water

Collection Date/Time

19-Sep-13 15:30

Received

20-Sep-13

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5030 Water MS

| | | | | | | | | | | | | | |
|-------------|-----------------------------------|--------|---|------|------|------|---|-------------|-----------|-----------|-----|---------|---|
| 98-82-8 | Isopropylbenzene | < 0.62 | U | µg/l | 1.00 | 0.62 | 1 | SW846 8260C | 27-Sep-13 | 27-Sep-13 | naa | 1323343 | X |
| 99-87-6 | 4-Isopropyltoluene | < 0.61 | U | µg/l | 1.00 | 0.61 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 0.65 | U | µg/l | 1.00 | 0.65 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 2.76 | U | µg/l | 10.0 | 2.76 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 0.95 | U | µg/l | 2.00 | 0.95 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 0.58 | U | µg/l | 1.00 | 0.58 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 0.76 | U | µg/l | 1.00 | 0.76 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 0.62 | U | µg/l | 1.00 | 0.62 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 0.67 | U | µg/l | 1.00 | 0.67 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.32 | U | µg/l | 0.50 | 0.32 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 0.74 | U | µg/l | 1.00 | 0.74 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 0.81 | U | µg/l | 1.00 | 0.81 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 0.38 | U | µg/l | 1.00 | 0.38 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 0.36 | U | µg/l | 1.00 | 0.36 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 0.78 | U | µg/l | 1.00 | 0.78 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 0.58 | U | µg/l | 1.00 | 0.58 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 0.64 | U | µg/l | 1.00 | 0.64 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 0.76 | U | µg/l | 1.00 | 0.76 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 0.63 | U | µg/l | 1.00 | 0.63 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 0.74 | U | µg/l | 1.00 | 0.74 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 0.76 | U | µg/l | 1.00 | 0.76 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 0.74 | U | µg/l | 1.00 | 0.74 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 0.81 | U | µg/l | 1.00 | 0.81 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 1.64 | U | µg/l | 2.00 | 1.64 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 0.88 | U | µg/l | 1.00 | 0.88 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 1.44 | U | µg/l | 2.00 | 1.44 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 0.69 | U | µg/l | 1.00 | 0.69 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 0.72 | U | µg/l | 1.00 | 0.72 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 0.78 | U | µg/l | 1.00 | 0.78 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 0.73 | U | µg/l | 1.00 | 0.73 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 8.64 | U | µg/l | 10.0 | 8.64 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 12.0 | U | µg/l | 20.0 | 12.0 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-butene | < 0.74 | U | µg/l | 5.00 | 0.74 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 35.0 | U | µg/l | 400 | 35.0 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 88 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 93 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 107 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 104 | | | 70-130 % | | | " | " | " | " | " | |

Tentatively Identified Compounds by GC/MS

Prepared by method SW846 5030 Water MS

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Sample Identification

MW-E Client Project # 48845-13 Matrix Ground Water Collection Date/Time 19-Sep-13 15:30 Received 20-Sep-13
 SB77308-05

CAS No. Analyte(s) Result Flag Units *RDL MDL Dilution Method Ref. Prepared Analyzed Analyst Batch Cert.

Volatile Organic Compounds

Tentatively Identified Compounds by GC/MS

Prepared by method SW846 5030 Water MS

Tentatively Identified Compounds **None found** µg/l 1 SW846 8260C TICs 27-Sep-13 27-Sep-13 naa 1323343

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds

Prepared by method SW846 3510C

| | | | | | | | | | | | | | |
|-----------|-----------------------------|-------------|---|------|------|-------|---|-------------|-----------|-----------|----|---------|---|
| 83-32-9 | Acenaphthene | < 0.928 | U | µg/l | 5.15 | 0.928 | 1 | SW846 8270D | 26-Sep-13 | 01-Oct-13 | JG | 1323267 | X |
| 208-96-8 | Acenaphthylene | < 0.897 | U | µg/l | 5.15 | 0.897 | 1 | " | " | " | " | " | X |
| 62-53-3 | Aniline | < 0.649 | U | µg/l | 5.15 | 0.649 | 1 | " | " | " | " | " | X |
| 120-12-7 | Anthracene | < 0.928 | U | µg/l | 5.15 | 0.928 | 1 | " | " | " | " | " | X |
| 103-33-3 | Azobenzene/Diphenyldiazene | < 0.773 | U | µg/l | 5.15 | 0.773 | 1 | " | " | " | " | " | |
| 92-87-5 | Benzidine | < 4.51 | U | µg/l | 5.15 | 4.51 | 1 | " | " | " | " | " | X |
| 56-55-3 | Benzo (a) anthracene | < 1.23 | U | µg/l | 5.15 | 1.23 | 1 | " | " | " | " | " | X |
| 50-32-8 | Benzo (a) pyrene | < 0.897 | U | µg/l | 5.15 | 0.897 | 1 | " | " | " | " | " | X |
| 205-99-2 | Benzo (b) fluoranthene | < 0.876 | U | µg/l | 5.15 | 0.876 | 1 | " | " | " | " | " | X |
| 191-24-2 | Benzo (g,h,i) perylene | < 0.928 | U | µg/l | 5.15 | 0.928 | 1 | " | " | " | " | " | X |
| 207-08-9 | Benzo (k) fluoranthene | < 1.14 | U | µg/l | 5.15 | 1.14 | 1 | " | " | " | " | " | X |
| 65-85-0 | Benzoic acid | < 2.24 | U | µg/l | 5.15 | 2.24 | 1 | " | " | " | " | " | X |
| 100-51-6 | Benzyl alcohol | < 0.959 | U | µg/l | 5.15 | 0.959 | 1 | " | " | " | " | " | X |
| 111-91-1 | Bis(2-chloroethoxy)methane | < 0.722 | U | µg/l | 5.15 | 0.722 | 1 | " | " | " | " | " | X |
| 111-44-4 | Bis(2-chloroethyl)ether | < 0.866 | U | µg/l | 5.15 | 0.866 | 1 | " | " | " | " | " | X |
| 108-60-1 | Bis(2-chloroisopropyl)ether | < 1.01 | U | µg/l | 5.15 | 1.01 | 1 | " | " | " | " | " | X |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 1.44 | J | µg/l | 5.15 | 1.05 | 1 | " | " | " | " | " | X |
| 101-55-3 | 4-Bromophenyl phenyl ether | < 0.876 | U | µg/l | 5.15 | 0.876 | 1 | " | " | " | " | " | X |
| 85-68-7 | Butyl benzyl phthalate | < 1.06 | U | µg/l | 5.15 | 1.06 | 1 | " | " | " | " | " | X |
| 86-74-8 | Carbazole | < 3.31 | U | µg/l | 5.15 | 3.31 | 1 | " | " | " | " | " | X |
| 59-50-7 | 4-Chloro-3-methylphenol | < 0.979 | U | µg/l | 5.15 | 0.979 | 1 | " | " | " | " | " | X |
| 106-47-8 | 4-Chloroaniline | < 0.577 | U | µg/l | 5.15 | 0.577 | 1 | " | " | " | " | " | X |
| 91-58-7 | 2-Chloronaphthalene | < 0.897 | U | µg/l | 5.15 | 0.897 | 1 | " | " | " | " | " | X |
| 95-57-8 | 2-Chlorophenol | < 0.990 | U | µg/l | 5.15 | 0.990 | 1 | " | " | " | " | " | X |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | < 0.918 | U | µg/l | 5.15 | 0.918 | 1 | " | " | " | " | " | X |
| 218-01-9 | Chrysene | < 1.18 | U | µg/l | 5.15 | 1.18 | 1 | " | " | " | " | " | X |
| 53-70-3 | Dibenzo (a,h) anthracene | < 0.959 | U | µg/l | 5.15 | 0.959 | 1 | " | " | " | " | " | X |
| 132-64-9 | Dibenzofuran | < 0.907 | U | µg/l | 5.15 | 0.907 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 1.01 | U | µg/l | 5.15 | 1.01 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 0.990 | U | µg/l | 5.15 | 0.990 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 1.03 | U | µg/l | 5.15 | 1.03 | 1 | " | " | " | " | " | X |
| 91-94-1 | 3,3'-Dichlorobenzidine | < 0.701 | U | µg/l | 5.15 | 0.701 | 1 | " | " | " | " | " | X |
| 120-83-2 | 2,4-Dichlorophenol | < 0.845 | U | µg/l | 5.15 | 0.845 | 1 | " | " | " | " | " | X |
| 84-66-2 | Diethyl phthalate | < 0.887 | U | µg/l | 5.15 | 0.887 | 1 | " | " | " | " | " | X |
| 131-11-3 | Dimethyl phthalate | < 0.938 | U | µg/l | 5.15 | 0.938 | 1 | " | " | " | " | " | X |
| 105-67-9 | 2,4-Dimethylphenol | < 0.835 | U | µg/l | 5.15 | 0.835 | 1 | " | " | " | " | " | X |
| 84-74-2 | Di-n-butyl phthalate | 4.07 | J | µg/l | 5.15 | 0.969 | 1 | " | " | " | " | " | X |

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Sample Identification

MW-E Client Project # 48845-13 Matrix Ground Water Collection Date/Time 19-Sep-13 15:30 Received 20-Sep-13
 SB77308-05

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|
|---------|------------|--------|------|-------|------|-----|----------|-------------|----------|----------|---------|-------|-------|

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds

Prepared by method SW846 3510C

| | | | | | | | | | | | | | |
|--------------------|----------------------------|---------|---|------|------|-------|---|-------------|-----------|-----------|----|---------|---|
| 534-52-1 | 4,6-Dinitro-2-methylphenol | < 0.691 | U | µg/l | 5.15 | 0.691 | 1 | SW846 8270D | 26-Sep-13 | 01-Oct-13 | JG | 1323267 | X |
| 51-28-5 | 2,4-Dinitrophenol | < 2.96 | U | µg/l | 5.15 | 2.96 | 1 | " | " | " | " | " | X |
| 121-14-2 | 2,4-Dinitrotoluene | < 0.969 | U | µg/l | 5.15 | 0.969 | 1 | " | " | " | " | " | X |
| 606-20-2 | 2,6-Dinitrotoluene | < 0.969 | U | µg/l | 5.15 | 0.969 | 1 | " | " | " | " | " | X |
| 117-84-0 | Di-n-octyl phthalate | < 0.804 | U | µg/l | 5.15 | 0.804 | 1 | " | " | " | " | " | X |
| 206-44-0 | Fluoranthene | < 0.990 | U | µg/l | 5.15 | 0.990 | 1 | " | " | " | " | " | X |
| 86-73-7 | Fluorene | < 0.928 | U | µg/l | 5.15 | 0.928 | 1 | " | " | " | " | " | X |
| 118-74-1 | Hexachlorobenzene | < 0.959 | U | µg/l | 5.15 | 0.959 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.856 | U | µg/l | 5.15 | 0.856 | 1 | " | " | " | " | " | X |
| 77-47-4 | Hexachlorocyclopentadiene | < 4.87 | U | µg/l | 5.15 | 4.87 | 1 | " | " | " | " | " | X |
| 67-72-1 | Hexachloroethane | < 1.04 | U | µg/l | 5.15 | 1.04 | 1 | " | " | " | " | " | X |
| 193-39-5 | Indeno (1,2,3-cd) pyrene | < 0.948 | U | µg/l | 5.15 | 0.948 | 1 | " | " | " | " | " | X |
| 78-59-1 | Isophorone | < 0.856 | U | µg/l | 5.15 | 0.856 | 1 | " | " | " | " | " | X |
| 91-57-6 | 2-Methylnaphthalene | < 0.938 | U | µg/l | 5.15 | 0.938 | 1 | " | " | " | " | " | X |
| 95-48-7 | 2-Methylphenol | < 0.990 | U | µg/l | 5.15 | 0.990 | 1 | " | " | " | " | " | X |
| 108-39-4, 106-44-5 | 3 & 4-Methylphenol | < 0.969 | U | µg/l | 10.3 | 0.969 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 0.918 | U | µg/l | 5.15 | 0.918 | 1 | " | " | " | " | " | X |
| 88-74-4 | 2-Nitroaniline | < 0.845 | U | µg/l | 5.15 | 0.845 | 1 | " | " | " | " | " | X |
| 99-09-2 | 3-Nitroaniline | < 0.660 | U | µg/l | 5.15 | 0.660 | 1 | " | " | " | " | " | X |
| 100-01-6 | 4-Nitroaniline | < 0.742 | U | µg/l | 20.6 | 0.742 | 1 | " | " | " | " | " | X |
| 98-95-3 | Nitrobenzene | < 0.979 | U | µg/l | 5.15 | 0.979 | 1 | " | " | " | " | " | X |
| 88-75-5 | 2-Nitrophenol | < 1.06 | U | µg/l | 5.15 | 1.06 | 1 | " | " | " | " | " | X |
| 100-02-7 | 4-Nitrophenol | < 2.88 | U | µg/l | 20.6 | 2.88 | 1 | " | " | " | " | " | X |
| 62-75-9 | N-Nitrosodimethylamine | < 1.04 | U | µg/l | 5.15 | 1.04 | 1 | " | " | " | " | " | X |
| 621-64-7 | N-Nitrosodi-n-propylamine | < 0.948 | U | µg/l | 5.15 | 0.948 | 1 | " | " | " | " | " | X |
| 86-30-6 | N-Nitrosodiphenylamine | < 0.990 | U | µg/l | 5.15 | 0.990 | 1 | " | " | " | " | " | X |
| 87-86-5 | Pentachlorophenol | < 0.835 | U | µg/l | 20.6 | 0.835 | 1 | " | " | " | " | " | X |
| 85-01-8 | Phenanthrene | < 0.897 | U | µg/l | 5.15 | 0.897 | 1 | " | " | " | " | " | X |
| 108-95-2 | Phenol | < 0.979 | U | µg/l | 5.15 | 0.979 | 1 | " | " | " | " | " | X |
| 129-00-0 | Pyrene | < 1.32 | U | µg/l | 5.15 | 1.32 | 1 | " | " | " | " | " | X |
| 110-86-1 | Pyridine | < 1.00 | U | µg/l | 5.15 | 1.00 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 0.948 | U | µg/l | 5.15 | 0.948 | 1 | " | " | " | " | " | X |
| 90-12-0 | 1-Methylnaphthalene | < 0.959 | U | µg/l | 5.15 | 0.959 | 1 | " | " | " | " | " | X |
| 95-95-4 | 2,4,5-Trichlorophenol | < 0.856 | U | µg/l | 5.15 | 0.856 | 1 | " | " | " | " | " | X |
| 88-06-2 | 2,4,6-Trichlorophenol | < 0.804 | U | µg/l | 5.15 | 0.804 | 1 | " | " | " | " | " | X |
| 82-68-8 | Pentachloronitrobenzene | < 0.938 | U | µg/l | 5.15 | 0.938 | 1 | " | " | " | " | " | X |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | < 0.990 | U | µg/l | 5.15 | 0.990 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|-----------|------------------|----|--|--|----------|--|--|---|---|---|---|---|--|
| 321-60-8 | 2-Fluorobiphenyl | 59 | | | 30-130 % | | | " | " | " | " | " | |
| 367-12-4 | 2-Fluorophenol | 42 | | | 15-110 % | | | " | " | " | " | " | |
| 4165-60-0 | Nitrobenzene-d5 | 61 | | | 30-130 % | | | " | " | " | " | " | |
| 4165-62-2 | Phenol-d5 | 29 | | | 15-110 % | | | " | " | " | " | " | |

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Sample Identification

MW-E
SB77308-05

Client Project #
48845-13

Matrix
Ground Water

Collection Date/Time
19-Sep-13 15:30

Received
20-Sep-13

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds

Prepared by method SW846 3510C

| | | | | | | | | | | | | | |
|-----------|----------------------|----|--|--|----------|--|--|-------------|-----------|-----------|----|---------|---|
| 1718-51-0 | Terphenyl-d14 | 77 | | | 30-130 % | | | SW846 8270D | 26-Sep-13 | 01-Oct-13 | JG | 1323267 | |
| 118-79-6 | 2,4,6-Tribromophenol | 77 | | | 15-110 % | | | " | " | " | " | " | " |

Extractable Petroleum Hydrocarbons

Fingerprinting by GC

Prepared by method SW846 3510C

| | | | | | | | | | | | | | |
|------------|------------------------------|--------|---|------|-----|------|---|----------------|-----------|-----------|-----|---------|---|
| 8006-61-9 | Gasoline | < 0.2 | U | mg/l | 0.2 | 0.2 | 1 | SW846 8100Mod. | 27-Sep-13 | 01-Oct-13 | SEP | 1323309 | |
| 68476-30-2 | Fuel Oil #2 | < 0.2 | U | mg/l | 0.2 | 0.2 | 1 | " | " | " | " | " | " |
| 68476-31-3 | Fuel Oil #4 | < 0.02 | U | mg/l | 0.2 | 0.02 | 1 | " | " | " | " | " | " |
| 68553-00-4 | Fuel Oil #6 | < 0.2 | U | mg/l | 0.2 | 0.2 | 1 | " | " | " | " | " | " |
| M09800000 | Motor Oil | < 0.2 | U | mg/l | 0.2 | 0.2 | 1 | " | " | " | " | " | " |
| 8032-32-4 | Ligroin | < 0.05 | U | mg/l | 0.2 | 0.05 | 1 | " | " | " | " | " | " |
| J00100000 | Aviation Fuel | < 0.05 | U | mg/l | 0.2 | 0.05 | 1 | " | " | " | " | " | " |
| | Hydraulic Oil | < 0.02 | U | mg/l | 0.2 | 0.02 | 1 | " | " | " | " | " | " |
| | Dielectric Fluid | < 0.05 | U | mg/l | 0.2 | 0.05 | 1 | " | " | " | " | " | " |
| | Unidentified | < 0.05 | U | mg/l | 0.2 | 0.05 | 1 | " | " | " | " | " | " |
| | Other Oil | < 0.02 | U | mg/l | 0.2 | 0.02 | 1 | " | " | " | " | " | " |
| | Total Petroleum Hydrocarbons | < 0.02 | U | mg/l | 0.2 | 0.02 | 1 | " | " | " | " | " | " |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|-----------|--------------------|----|--|--|----------|--|--|---|---|---|---|---|---|
| 3386-33-2 | 1-Chlorooctadecane | 63 | | | 40-140 % | | | " | " | " | " | " | " |
|-----------|--------------------|----|--|--|----------|--|--|---|---|---|---|---|---|

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Sample Identification

Trip Blank
SB77308-06

Client Project #
48845-13

Matrix
Trip Blank

Collection Date/Time
19-Sep-13 00:00

Received
20-Sep-13

| CAS No. | Analyte(s) | Result | Flag | Units | *RDL | MDL | Dilution | Method Ref. | Prepared | Analyzed | Analyst | Batch | Cert. |
|--|--|--------|------|-------|------|------|----------|-------------|-----------|-----------|---------|---------|-------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane (Freon 113) | < 0.65 | U | µg/l | 1.00 | 0.65 | 1 | SW846 8260C | 27-Sep-13 | 27-Sep-13 | naa | 1323343 | X |
| 67-64-1 | Acetone | < 2.56 | U | µg/l | 10.0 | 2.56 | 1 | " | " | " | " | " | X |
| 107-13-1 | Acrylonitrile | < 0.48 | U | µg/l | 0.50 | 0.48 | 1 | " | " | " | " | " | X |
| 71-43-2 | Benzene | < 0.67 | U | µg/l | 1.00 | 0.67 | 1 | " | " | " | " | " | X |
| 108-86-1 | Bromobenzene | < 0.72 | U | µg/l | 1.00 | 0.72 | 1 | " | " | " | " | " | X |
| 74-97-5 | Bromochloromethane | < 0.71 | U | µg/l | 1.00 | 0.71 | 1 | " | " | " | " | " | X |
| 75-27-4 | Bromodichloromethane | < 0.48 | U | µg/l | 0.50 | 0.48 | 1 | " | " | " | " | " | X |
| 75-25-2 | Bromoform | < 0.60 | U | µg/l | 1.00 | 0.60 | 1 | " | " | " | " | " | X |
| 74-83-9 | Bromomethane | < 1.14 | U | µg/l | 2.00 | 1.14 | 1 | " | " | " | " | " | X |
| 78-93-3 | 2-Butanone (MEK) | < 1.93 | U | µg/l | 10.0 | 1.93 | 1 | " | " | " | " | " | X |
| 104-51-8 | n-Butylbenzene | < 0.56 | U | µg/l | 1.00 | 0.56 | 1 | " | " | " | " | " | X |
| 135-98-8 | sec-Butylbenzene | < 0.82 | U | µg/l | 1.00 | 0.82 | 1 | " | " | " | " | " | X |
| 98-06-6 | tert-Butylbenzene | < 0.74 | U | µg/l | 1.00 | 0.74 | 1 | " | " | " | " | " | X |
| 75-15-0 | Carbon disulfide | < 1.28 | U | µg/l | 2.00 | 1.28 | 1 | " | " | " | " | " | X |
| 56-23-5 | Carbon tetrachloride | < 0.55 | U | µg/l | 1.00 | 0.55 | 1 | " | " | " | " | " | X |
| 108-90-7 | Chlorobenzene | < 0.65 | U | µg/l | 1.00 | 0.65 | 1 | " | " | " | " | " | X |
| 75-00-3 | Chloroethane | < 1.00 | U | µg/l | 2.00 | 1.00 | 1 | " | " | " | " | " | X |
| 67-66-3 | Chloroform | < 0.69 | U | µg/l | 1.00 | 0.69 | 1 | " | " | " | " | " | X |
| 74-87-3 | Chloromethane | < 1.47 | U | µg/l | 2.00 | 1.47 | 1 | " | " | " | " | " | X |
| 95-49-8 | 2-Chlorotoluene | < 0.79 | U | µg/l | 1.00 | 0.79 | 1 | " | " | " | " | " | X |
| 106-43-4 | 4-Chlorotoluene | < 0.73 | U | µg/l | 1.00 | 0.73 | 1 | " | " | " | " | " | X |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | < 1.20 | U | µg/l | 2.00 | 1.20 | 1 | " | " | " | " | " | X |
| 124-48-1 | Dibromochloromethane | < 0.34 | U | µg/l | 0.50 | 0.34 | 1 | " | " | " | " | " | X |
| 106-93-4 | 1,2-Dibromoethane (EDB) | < 0.36 | U | µg/l | 0.50 | 0.36 | 1 | " | " | " | " | " | X |
| 74-95-3 | Dibromomethane | < 0.67 | U | µg/l | 1.00 | 0.67 | 1 | " | " | " | " | " | X |
| 95-50-1 | 1,2-Dichlorobenzene | < 0.67 | U | µg/l | 1.00 | 0.67 | 1 | " | " | " | " | " | X |
| 541-73-1 | 1,3-Dichlorobenzene | < 0.71 | U | µg/l | 1.00 | 0.71 | 1 | " | " | " | " | " | X |
| 106-46-7 | 1,4-Dichlorobenzene | < 0.62 | U | µg/l | 1.00 | 0.62 | 1 | " | " | " | " | " | X |
| 75-71-8 | Dichlorodifluoromethane (Freon12) | < 0.45 | U | µg/l | 2.00 | 0.45 | 1 | " | " | " | " | " | X |
| 75-34-3 | 1,1-Dichloroethane | < 0.68 | U | µg/l | 1.00 | 0.68 | 1 | " | " | " | " | " | X |
| 107-06-2 | 1,2-Dichloroethane | < 0.78 | U | µg/l | 1.00 | 0.78 | 1 | " | " | " | " | " | X |
| 75-35-4 | 1,1-Dichloroethene | < 0.49 | U | µg/l | 1.00 | 0.49 | 1 | " | " | " | " | " | X |
| 156-59-2 | cis-1,2-Dichloroethene | < 0.72 | U | µg/l | 1.00 | 0.72 | 1 | " | " | " | " | " | X |
| 156-60-5 | trans-1,2-Dichloroethene | < 0.83 | U | µg/l | 1.00 | 0.83 | 1 | " | " | " | " | " | X |
| 78-87-5 | 1,2-Dichloropropane | < 0.77 | U | µg/l | 1.00 | 0.77 | 1 | " | " | " | " | " | X |
| 142-28-9 | 1,3-Dichloropropane | < 0.81 | U | µg/l | 1.00 | 0.81 | 1 | " | " | " | " | " | X |
| 594-20-7 | 2,2-Dichloropropane | < 0.87 | U | µg/l | 1.00 | 0.87 | 1 | " | " | " | " | " | X |
| 563-58-6 | 1,1-Dichloropropene | < 0.64 | U | µg/l | 1.00 | 0.64 | 1 | " | " | " | " | " | X |
| 10061-01-5 | cis-1,3-Dichloropropene | < 0.36 | U | µg/l | 0.50 | 0.36 | 1 | " | " | " | " | " | X |
| 10061-02-6 | trans-1,3-Dichloropropene | < 0.50 | U | µg/l | 0.50 | 0.50 | 1 | " | " | " | " | " | X |
| 100-41-4 | Ethylbenzene | < 0.95 | U | µg/l | 1.00 | 0.95 | 1 | " | " | " | " | " | X |
| 87-68-3 | Hexachlorobutadiene | < 0.49 | U | µg/l | 0.50 | 0.49 | 1 | " | " | " | " | " | X |
| 591-78-6 | 2-Hexanone (MBK) | < 0.66 | U | µg/l | 10.0 | 0.66 | 1 | " | " | " | " | " | X |

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Sample Identification

Trip Blank
SB77308-06

Client Project #
48845-13

Matrix
Trip Blank

Collection Date/Time
19-Sep-13 00:00

Received
20-Sep-13

| <u>CAS No.</u> | <u>Analyte(s)</u> | <u>Result</u> | <u>Flag</u> | <u>Units</u> | <u>*RDL</u> | <u>MDL</u> | <u>Dilution</u> | <u>Method Ref.</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Analyst</u> | <u>Batch</u> | <u>Cert.</u> |
|--|-----------------------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
| Volatile Organic Compounds | | | | | | | | | | | | | |
| Volatile Organic Compounds by SW846 8260 | | | | | | | | | | | | | |
| Prepared by method SW846 5030 Water MS | | | | | | | | | | | | | |
| 98-82-8 | Isopropylbenzene | < 0.62 | U | µg/l | 1.00 | 0.62 | 1 | SW846 8260C | 27-Sep-13 | 27-Sep-13 | naa | 1323343 | X |
| 99-87-6 | 4-Isopropyltoluene | < 0.61 | U | µg/l | 1.00 | 0.61 | 1 | " | " | " | " | " | X |
| 1634-04-4 | Methyl tert-butyl ether | < 0.65 | U | µg/l | 1.00 | 0.65 | 1 | " | " | " | " | " | X |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | < 2.76 | U | µg/l | 10.0 | 2.76 | 1 | " | " | " | " | " | X |
| 75-09-2 | Methylene chloride | < 0.95 | U | µg/l | 2.00 | 0.95 | 1 | " | " | " | " | " | X |
| 91-20-3 | Naphthalene | < 0.58 | U | µg/l | 1.00 | 0.58 | 1 | " | " | " | " | " | X |
| 103-65-1 | n-Propylbenzene | < 0.76 | U | µg/l | 1.00 | 0.76 | 1 | " | " | " | " | " | X |
| 100-42-5 | Styrene | < 0.62 | U | µg/l | 1.00 | 0.62 | 1 | " | " | " | " | " | X |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | < 0.67 | U | µg/l | 1.00 | 0.67 | 1 | " | " | " | " | " | X |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | < 0.32 | U | µg/l | 0.50 | 0.32 | 1 | " | " | " | " | " | X |
| 127-18-4 | Tetrachloroethene | < 0.74 | U | µg/l | 1.00 | 0.74 | 1 | " | " | " | " | " | X |
| 108-88-3 | Toluene | < 0.81 | U | µg/l | 1.00 | 0.81 | 1 | " | " | " | " | " | X |
| 87-61-6 | 1,2,3-Trichlorobenzene | < 0.38 | U | µg/l | 1.00 | 0.38 | 1 | " | " | " | " | " | X |
| 120-82-1 | 1,2,4-Trichlorobenzene | < 0.36 | U | µg/l | 1.00 | 0.36 | 1 | " | " | " | " | " | X |
| 108-70-3 | 1,3,5-Trichlorobenzene | < 0.78 | U | µg/l | 1.00 | 0.78 | 1 | " | " | " | " | " | X |
| 71-55-6 | 1,1,1-Trichloroethane | < 0.58 | U | µg/l | 1.00 | 0.58 | 1 | " | " | " | " | " | X |
| 79-00-5 | 1,1,2-Trichloroethane | < 0.64 | U | µg/l | 1.00 | 0.64 | 1 | " | " | " | " | " | X |
| 79-01-6 | Trichloroethene | < 0.76 | U | µg/l | 1.00 | 0.76 | 1 | " | " | " | " | " | X |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | < 0.63 | U | µg/l | 1.00 | 0.63 | 1 | " | " | " | " | " | X |
| 96-18-4 | 1,2,3-Trichloropropane | < 0.74 | U | µg/l | 1.00 | 0.74 | 1 | " | " | " | " | " | X |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 0.76 | U | µg/l | 1.00 | 0.76 | 1 | " | " | " | " | " | X |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 0.74 | U | µg/l | 1.00 | 0.74 | 1 | " | " | " | " | " | X |
| 75-01-4 | Vinyl chloride | < 0.81 | U | µg/l | 1.00 | 0.81 | 1 | " | " | " | " | " | X |
| 179601-23-1 | m,p-Xylene | < 1.64 | U | µg/l | 2.00 | 1.64 | 1 | " | " | " | " | " | X |
| 95-47-6 | o-Xylene | < 0.88 | U | µg/l | 1.00 | 0.88 | 1 | " | " | " | " | " | X |
| 109-99-9 | Tetrahydrofuran | < 1.44 | U | µg/l | 2.00 | 1.44 | 1 | " | " | " | " | " | X |
| 60-29-7 | Ethyl ether | < 0.69 | U | µg/l | 1.00 | 0.69 | 1 | " | " | " | " | " | X |
| 994-05-8 | Tert-amyl methyl ether | < 0.72 | U | µg/l | 1.00 | 0.72 | 1 | " | " | " | " | " | X |
| 637-92-3 | Ethyl tert-butyl ether | < 0.78 | U | µg/l | 1.00 | 0.78 | 1 | " | " | " | " | " | X |
| 108-20-3 | Di-isopropyl ether | < 0.73 | U | µg/l | 1.00 | 0.73 | 1 | " | " | " | " | " | X |
| 75-65-0 | Tert-Butanol / butyl alcohol | < 8.64 | U | µg/l | 10.0 | 8.64 | 1 | " | " | " | " | " | X |
| 123-91-1 | 1,4-Dioxane | < 12.0 | U | µg/l | 20.0 | 12.0 | 1 | " | " | " | " | " | X |
| 110-57-6 | trans-1,4-Dichloro-2-butene | < 0.74 | U | µg/l | 5.00 | 0.74 | 1 | " | " | " | " | " | X |
| 64-17-5 | Ethanol | < 35.0 | U | µg/l | 400 | 35.0 | 1 | " | " | " | " | " | X |

Surrogate recoveries:

| | | | | | | | | | | | | | |
|------------|-----------------------|-----|--|--|----------|--|--|---|---|---|---|---|--|
| 460-00-4 | 4-Bromofluorobenzene | 81 | | | 70-130 % | | | " | " | " | " | " | |
| 2037-26-5 | Toluene-d8 | 93 | | | 70-130 % | | | " | " | " | " | " | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 99 | | | 70-130 % | | | " | " | " | " | " | |
| 1868-53-7 | Dibromofluoromethane | 102 | | | 70-130 % | | | " | " | " | " | " | |

Tentatively Identified Compounds by GC/MS

TIC

Prepared by method SW846 5030 Water MS

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

Trip Blank
SB77308-06

Client Project #
48845-13

Matrix
Trip Blank

Collection Date/Time
19-Sep-13 00:00

Received
20-Sep-13

| <i>CAS No.</i> | <i>Analyte(s)</i> | <i>Result</i> | <i>Flag</i> | <i>Units</i> | <i>*RDL</i> | <i>MDL</i> | <i>Dilution</i> | <i>Method Ref.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Analyst</i> | <i>Batch</i> | <i>Cert.</i> |
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|
|----------------|-------------------|---------------|-------------|--------------|-------------|------------|-----------------|--------------------|-----------------|-----------------|----------------|--------------|--------------|

Volatile Organic Compounds

Tentatively Identified Compounds by GC/MS

TIC

Prepared by method SW846 5030 Water MS

| | | | | | | | | | | | | | |
|-------------|------------------------------|-----|--|------|--|--|---|------------------|-----------|-----------|-----|---------|--|
| 000628-89-7 | Ethanol, 2-(2-chloroethoxy)- | 1.5 | | µg/l | | | 1 | SW846 8260C TICs | 27-Sep-13 | 27-Sep-13 | naa | 1323343 | |
|-------------|------------------------------|-----|--|------|--|--|---|------------------|-----------|-----------|-----|---------|--|

This laboratory report is not valid without an authorized signature on the cover page.

Notes and Definitions

| | |
|----------|--|
| D | Data reported from a dilution |
| GS1 | Sample dilution required for high concentration of target analytes to be within the instrument calibration range. |
| J | Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag). |
| QC2 | Analyte out of acceptance range in QC spike but no reportable concentration present in sample. |
| QM2 | The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample. |
| QM5 | The spike recovery was outside acceptance limits for the MS, MSD and/or PS due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable. |
| QM7 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
| QM9 | The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits. |
| QR2 | The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data. |
| QR7 | The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for batch duplicate. |
| R01 | The Reporting Limit has been raised to account for matrix interference. |
| R05 | Elevated Reporting Limits due to the presence of high levels of non-target analytes. |
| S01 | The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's. |
| SGCMSVOC | Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogates with three required by program methods. |
| TIC | (Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard. |
| U | Analyte included in the analysis, but not detected at or above the MDL. |
| dry | Sample results reported on a dry weight basis |
| NR | Not Reported |
| RPD | Relative Percent Difference |
| LIV | The initial volume for this sample has been reduced due to sample matrix and/or historical data therefore elevating the reporting limit. |

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

- Gasoline - includes regular, unleaded, premium, etc.
- Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
- Fuel Oil #4 - includes #4 fuel oil
- Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
- Motor Oil - includes virgin and waste automobile oil
- Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
- Aviation Fuel - includes kerosene, Jet A and JP-4
- Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as Calculated as.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor
Nicole Leja



SPECTRUM ANALYTICAL, INC.
 HANNAH TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
 Standard TAT - 7 to 10 business days
 Rush TAT - Date Needed: _____
 All TATs subject to laboratory approval.
 Min. 24-hour notification needed for rushes.
 Samples disposed of after 60 days unless otherwise instructed.

3011308 JB

Report To: Day Environmental

1563 Lyell Ave.
 Rochester New York, 14606

Invoice To: DAY Environmental

1563 Lyell Ave.
 Rochester New York, 14606

Telephone #: 585-454-0210

P.O. No.: _____

Project No.: 48845-13

Project Mgr: Raj Kramph 108

Site Name: 211 Franklin St.

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 7=CH₃OH
 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

DW=Drinking Water GW=Groundwater WW=Wastewater
 O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
 X1= _____ X2= _____ X3= _____

Location: Olean State: NY
 Sampler(s): Zack Tennies & Charles Hampton

G=Grab C=Composite

| Lab Id: | Sample Id: | Date: | Time: | Type | Matrix |
|-----------|------------|---------|-------|------|--------|
| 411308-01 | MW-A | 9/19/13 | 16:00 | G | GV |
| | MW-B | 9/15/13 | 16:20 | G | GV |
| | MW-C | 9/15/13 | 13:55 | G | GV |
| | MW-D | 9/15/13 | 15:30 | G | GV |
| | MW-E | 9/15/13 | 15:30 | G | GV |
| | TRIP BLANK | | | G | TRIP |

| Containers: | # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | Analyses: | |
|-------------|----------------|------------------|------------------|--------------|---|---|
| | | | | | MA DEP MCP CAM Report: Yes <input type="checkbox"/> No <input type="checkbox"/> | CT DPH RCP Report: Yes <input type="checkbox"/> No <input type="checkbox"/> |
| | 2 | 2 | 2 | 2 | <input checked="" type="checkbox"/> | VOCs 8260 Full |
| | 1 | 1 | 1 | 1 | <input checked="" type="checkbox"/> | TPH 8100 |
| | 2 | 2 | 2 | 2 | <input checked="" type="checkbox"/> | SVOCs 8270 Full |
| | 1 | 1 | 1 | 1 | <input checked="" type="checkbox"/> | TAL metals |
| | 2 | 2 | 2 | 2 | <input checked="" type="checkbox"/> | Cyanide |

per client see attached email

QA/QC Reporting Notes:
 * additional charges may apply

MA DEP MCP CAM Report: Yes No
 CT DPH RCP Report: Yes No

State-specific reporting standards:
 Other _____
 Standard No QC DQA*
 NY ASP A* NY ASP B*
 NJ Reduced* NJ Full*
 TIER II* TIER IV*

| Relinquished by: | Received by: | Date: | Time: | Temp °C | Condition upon receipt: |
|--------------------|--------------------|---------|-------|---------|---|
| <u>[Signature]</u> | <u>[Signature]</u> | 9/24/13 | 09:00 | | <input type="checkbox"/> Ambient <input checked="" type="checkbox"/> Focd <input type="checkbox"/> Refrigerated <input type="checkbox"/> DI VOA Frozen <input type="checkbox"/> Soil Jar Frozen |
| <u>[Signature]</u> | <u>[Signature]</u> | 9-24-13 | 1732 | | <input checked="" type="checkbox"/> E-mail to <u>rkramph@daymail.net</u> |
| <u>[Signature]</u> | <u>[Signature]</u> | 9/24/13 | 2100 | | |

211 Franklin St

per client see attached email

Sample Designation Key for ALS Report Samples

| <u>Sample Designation in ALS Report</u> | | <u>Sample Designation in Phase II Report</u> |
|--|----|---|
| <u>TB-15A</u> | to | <u>TB-02</u> |
| <u>TB-12</u> | to | <u>TB-04</u> |
| <u>TB-17</u> | to | <u>TB-07</u> |



1565 Jefferson Rd., Bldg 300, Suite 360
Rochester, NY 14623
T: +1 585 288 5380
F: +1 585 288 8475
www.alsglobal.com

October 10, 2013

Mr. Ray Kampff
Day Environmental
1563 Lyell Ave.
Rochester, NY 14606

Re: Olean/48845-13
Service Request #R1306782

Dear Mr. Kampff:

Enclosed is an analytical data report for the above referenced facility. A total of three samples were received by our laboratory on September 16, 2013.

Any problems encountered with this project are addressed in a case narrative section which is presented later in this report.

This report consists of two (2) packages: the sample data package and the sample data summary package. All data presented in this package has been reviewed prior to report submission. If you should have any questions or concerns, please contact me at (585) 288-5380.

Thank you for your use of our services.

Sincerely,
ALS Environmental


Carl Beechler
Project Manager

Enc.

Page 1 of 64

Client: Day Environmental, Inc.
Project: Olean/48845-13
Sample Matrix: Soil

Service Request No.: R1306782
Date Received: 9/16/13

CASE NARRATIVE – Page 1 of 2

All analyses were performed consistent with the quality assurance program of ALS Environmental (ALS). This report contains analytical results for samples designated for Tier IV deliverables. When appropriate to the method, method blank and LCS results have been reported with each analytical test.

Sample Receipt

Three samples were received for analysis at ALS Rochester on 9/17/13. The samples were received consistent with the accompanying chain of custody form. All samples were received within the appropriate temperature guidelines of 0-6°C. The samples were stored in a refrigerator between 1°C and 6°C upon receipt at the laboratory.

Volatile Organic Compounds by EPA Method 8260C

The Initial Calibration (ICAL), Initial Calibration Verification (ICV) and Continuing Calibration Verification (CCV) criteria were met for all samples with the following except for the following compounds which were outside the $\pm 20\%$ Difference (%D) criteria for the CCV:

Acetone, Methyl Acetate, Methyl Ethyl Ketone, Cyclohexanone, Methyl Isobutyl Ketone and 2-Hexanone on the 9/20/13 run and Bromoform on the 9/23/13 run.

Any hits for these compounds in samples associated with these runs should be considered as estimated.

A Library Search against the NIST/EPA library was conducted on each of the samples and blanks for the 8260C analysis. The 30 largest peaks, within 10% of the nearest Internal Standard, were searched. A summary of detected peaks is included following the Target data. Any analytes detected are quantitated based on the closest Internal Standard and are reported flagged with a "J" as estimated. The flag "N" on a TIC compound indicates the presumptive evidence of a particular compound.

Surrogate standard recoveries were within limits for all samples.

Internal Standard (IS) recoveries were acceptable.

Sample TB-12 (30') was analyzed at dilution due to matrix interference.

Site QC was not requested or performed. Batch QC is included in the report. All Laboratory Control Sample (LCS) and LCS Duplicate (LCSD) recoveries were within acceptable.

Hits between the MDL and MRL are flagged with a "J" as estimated.

All Method Blanks were free of contamination with the exception of 1,2,4-Trichlorobenzene on 9/23/13. No data is affected.

The samples were properly preserved and analyzed within the appropriate holding times.

No other analytical or quality control problems were encountered during analysis.

PCB by 8082A

The Initial Calibration (ICAL), Initial Calibration Verification (ICV) and Continuing Calibration Verification (CCV) criteria were met for all samples

All surrogate standard recoveries were within acceptable limits.

All internal standard recoveries were within acceptable limits.

Sample TB-17 (3') was analyzed at dilution due to matrix interference.

Site QC was not requested or performed. Batch QC is included in the report. All Laboratory Control Sample (LCS) and LCS Duplicate (LCSD) recoveries were acceptable.

All Method Blanks were free of contamination.

The samples were extracted and analyzed within the appropriate holding times.

No other analytical or quality control problems were encountered during analysis.

Semivolatile Organic Compounds by Method 8270D

The Initial Calibration (ICAL), Initial Calibration Verification (ICV) and Continuing Calibration Verification (CCV) criteria were met for all samples except for the following CCV compounds:

Benzoic Acid, Benzaldehyde and 2,4-Dinitrophenol were outside the $\pm 20\%D$ limits on the 9/23/13 run. Any hits for these compounds associated with this CCV should be considered as estimated.

A Library Search against the NIST/EPA library was conducted on each of the samples and blanks for the 8270D analysis. The 20 largest peaks, within 10% of the nearest Internal Standard, were searched. A summary of detected peaks is included following the Target data. Any analytes detected are quantitated based on the closest Internal Standard and are reported flagged with a "J" as estimated. The flag "N" on a TIC compound indicates the presumptive evidence of a particular compound.

All surrogate standard recoveries were within acceptable limits.

All internal standard recoveries were within acceptable limits.

Sample TB-17 (3') was analyzed at dilution due to matrix interference.

Site QC was not requested or performed. Batch QC is included in the report. All Laboratory Control Sample (LCS) and LCS Duplicate (LCSD) recoveries were acceptable with the exception of Benzoic Acid in the LCS only as indicated by the "*" flag. No data is affected.

All Method Blanks were free of contamination.

The samples were extracted and analyzed within the appropriate holding times.

No other analytical or quality control problems were encountered during analysis.

Inorganic Parameters

Samples were analyzed for client specific inorganic parameters. Approved method references appear on report forms.

Hits between the MDL and MRL are flagged with a "J" as estimated.

The Initial Calibration (ICAL), Initial Calibration Verification (ICV) and Continuing Calibration Verification (CCV) criteria were met for all samples.

Site QC was performed on sample TB-15A (24'). Several RPD calculations were outside acceptance limits. These RPD's have been flagged as "*". Matrix Spike recoveries were acceptable except for Nickel. This recovery is flagged as "N". Matrix interference is suspected. MS results are not applicable for Aluminum, Calcium, Iron, Magnesium and Manganese on this location. The analyte concentrations in the sample were more than four times higher than the added spike concentration, preventing accurate evaluation of the spike recovery. Batch QC is included in the report. All Laboratory Control Sample (LCS) recoveries were within QC limits.

All Method Blanks were free of contamination.

The samples were properly preserved and analyzed within the appropriate holding times for the methods.

No other analytical or QC problems were encountered during analysis.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the details contained above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature:

Approved by _____

Date

10/10/13

00003

ALS ASP/CLP Batching Form/Login Sheet

| | | |
|---|-----------------------------------|---------------------|
| Client Proj #: 48845-13 | Batch Complete: Yes | Date Revised: |
| Submission: R1306782 | Diskette Requested: No | Date Due: 10/7/13 |
| Client: Day Environmental, Incorporated | Date: 9/17/13 | Protocol: MCAWW |
| Client Rep: CBEECHLER | Custody Seal: Present/Absent: | Shipping No.: |
| Project: Olean | Chain of Custody: Present/Absent: | SDG #: TB-15A (24") |

| CAS Job # | Client/EPA ID | Matrix | Requested Parameters | Date Sampled | Date Received | pH (Solids) | % Solids | Remarks Sample Condition |
|--------------|---------------|--------|--|--------------|---------------|-------------|----------|-----------------------------|
| R1306782-001 | TB-15A (24') | Soil | 160.3 Modified, 7471B, 9012B, 8270D, 8260C, 8082A, 6010C | 9/11/13 | 9/16/13 | | | |
| R1306782-002 | TB-17 (3') | Soil | 8270D, 160.3 Modified | 9/13/13 | 9/16/13 | | | |
| R1306782-003 | TB-12 (30') | Soil | 8260C, 160.3 Modified, 8270D | 9/12/13 | 9/16/13 | | | |

00004

Folder Comments: Need 2 Week Data, VOA TICs & LL, SVOA TICs



REPORT QUALIFIERS AND DEFINITIONS

- U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).
B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E Organics- Concentration has exceeded the calibration range for that specific analysis.
D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
* Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.
Spike was diluted out.
+ Correlation coefficient for MSA is <0.995.
N Inorganics- Matrix spike recovery was outside laboratory limits.
N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S Concentration has been determined using Method of Standard Additions (MSA).
W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P Concentration >40% (25% for CLP) difference between the two GC columns.
C Confirmed by GC/MS
Q DoD reports: indicates a pesticide/Aroclor is not confirmed (>=100% Difference between two GC columns).
X See Case Narrative for discussion.
MRL Method Reporting Limit. Also known as:
LOQ Limit of Quantitation (LOQ)
The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.
ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.



Rochester Lab ID # for State Certifications¹

Table with 3 columns: State/ID, Maine ID #, and New Hampshire ID #. Rows include Connecticut, Delaware, DoD ELAP, Florida, Illinois, Nevada, New Jersey, New York, North Carolina, Pennsylvania, Rhode Island, and Virginia.

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the laboratory case narrative provided. For a specific list of accredited analytes, refer to http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads/North-America-Downloads



INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

| Analytical Method | Preparation Method |
|-------------------------------|--------------------|
| 200.7 | 3010A |
| 200.8 | ILM05.3 |
| 6010C | 3010A |
| 6020A | ILM05.3 |
| 9014 Cyanide Reactivity | SW846 Ch7, 7.3.4.2 |
| 9034 Sulfide Reactivity | SW846 Ch7, 7.3.4.2 |
| 9034 Sulfide Acid Soluble | 9030B |
| 9056A Bomb (Halogens) | 5050A |
| 9066 Manual Distillation | 9065 |
| SM 4500-CN-E Residual Cyanide | SM 4500-CN-G |
| SM 4500-CN-E WAD Cyanide | SM 4500-CN-I |

Solid/Soil/Non-Aqueous Matrix

| Analytical Method | Preparation Method |
|--|--------------------|
| 6010C | 3050B |
| 6020A | 3050B |
| 6010C TCLP (1311) extract | 3010A |
| 6010 SPLP (1312) extract | 3010A |
| 7196A | 3060A |
| 7199 | 3060A |
| 9056A Halogens/Halides | 5050 |
| 300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions | DI extraction |

For analytical methods not listed, the preparation method is the same as the analytical method reference.

RIGHT SOLUTIONS | RIGHT PARTNER



Cooler Receipt and Preservation Check Form

R130672

Project/Client Day Env. Folder Number _____

Cooler received on 9/16/13 by: oh COURIER: ALS UPS FEDEX VELOCITY CLIENT

1. Were custody seals on outside of cooler? YES NO
2. Were custody papers properly filled out (ink, signed, etc.)? YES NO
3. Did all bottles arrive in good condition (unbroken)? YES NO
4. Did VOA vials, Alkalinity, or Sulfide have significant* air bubbles? YES NO N/A
5. Were ~~Ice~~ Ice packs present? YES NO
6. Where did the bottles originate? ALS/ROC, CLIENT
7. Soil VOA samples received as: Bulk Jar Encore TerraCore Lab5035set N/A *oh 9/16/13*
8. Temperature of cooler(s) upon receipt: 4.30

Is the temperature within 0° - 6° C?: Y N Y N Y N Y N Y N
If No, Explain Below Date/Time Temperatures Taken: 9/16/13/1639

Thermometer ID: IR GUN#3 / IR GUN#4 Reading From: Temp Blank / Sample Bottle

If out of Temperature, note packing/ice condition & Client Approval to Run Samples:

All Samples held in storage location R-202 by oh on 9/16/13 at 1639
5035 samples placed in storage location _____ by _____ on _____ at _____

PC Secondary Review: Cat

Cooler Breakdown: Date: 9/17/13 Time: 0842 by: JFS

1. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
2. Did all bottle labels and tags agree with custody papers? YES NO
3. Were correct containers used for the tests indicated? YES NO
4. Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated N/A

Explain any discrepancies:

| pH | Reagent | YES NO | | Lot Received | Exp | Sample ID | Vol. Added | Lot Added | Final pH | Yes = All samples OK No = Samples were preserved at lab as listed PM OK to Adjust: |
|-----------------------|---|--------|----|---|-----|-----------|------------|-----------|----------|--|
| | | YES | NO | | | | | | | |
| ≥12 | NaOH | | | | | | | | | |
| ≤2 | HNO ₃ | | | | | | | | | |
| ≤2 | H ₂ SO ₄ | | | | | | | | | |
| <4 | NaHSO ₄ | | | | | | | | | |
| Residual Chlorine (-) | For TCN Phenol and 522 | | | If present, contact PM to add ascorbic acid Or sodium sulfite (522) | | | | | | PM OK to Adjust: |
| | Na ₂ S ₂ O ₃ | - | - | | | | | | | |
| | Zn Aceta | - | - | | | | | | | |
| | HCl | * | * | | | | | | | |

Bottle lot numbers: 100812-300, 031113-11
Other Comments: _____

PC Secondary Review: Cat *significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter



ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Collected: 9/11/13 1130
 Date Received: 9/16/13
 Date Analyzed: 9/23/13 14:31

Sample Name: TB-15A (24')
 Lab Code: R1306782-001

Units: µg/Kg
 Basis: Dry
 Percent Solids: 91.4

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
 Data File Name: I:\ACQUDATA\msvoa10\data\092313\F2266.D\

Analysis Lot: 359621
 Instrument Name: R-MS-10
 Dilution Factor: 125

| CAS No. | Analyte Name | Result | Q | MRL | MDL | Note |
|----------|---------------------------------------|--------|---|-----|-----|------|
| 71-55-6 | 1,1,1-Trichloroethane (TCA) | 680 | U | 680 | 52 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 680 | U | 680 | 28 | |
| 79-00-5 | 1,1,2-Trichloroethane | 680 | U | 680 | 57 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 680 | U | 680 | 62 | |
| 75-34-3 | 1,1-Dichloroethane (1,1-DCA) | 680 | U | 680 | 43 | |
| 75-35-4 | 1,1-Dichloroethene (1,1-DCE) | 680 | U | 680 | 73 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | 680 | U | 680 | 36 | |
| 96-18-4 | 1,2,3-Trichloropropane | 680 | U | 680 | 130 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 680 | U | 680 | 33 | |
| 95-63-6 | 1,2,4-Trimethylbenzene | 680 | U | 680 | 28 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | 680 | U | 680 | 110 | |
| 106-93-4 | 1,2-Dibromoethane | 680 | U | 680 | 68 | |
| 95-50-1 | 1,2-Dichlorobenzene | 680 | U | 680 | 40 | |
| 107-06-2 | 1,2-Dichloroethane | 680 | U | 680 | 44 | |
| 78-87-5 | 1,2-Dichloropropane | 680 | U | 680 | 52 | |
| 108-67-8 | 1,3,5-Trimethylbenzene | 680 | U | 680 | 28 | |
| 541-73-1 | 1,3-Dichlorobenzene | 680 | U | 680 | 28 | |
| 142-28-9 | 1,3-Dichloropropane | 680 | U | 680 | 31 | |
| 106-46-7 | 1,4-Dichlorobenzene | 680 | U | 680 | 46 | |
| 78-93-3 | 2-Butanone (MEK) | 680 | U | 680 | 220 | |
| 591-78-6 | 2-Hexanone | 680 | U | 680 | 80 | |
| 99-87-6 | 4-Isopropyltoluene | 680 | U | 680 | 46 | |
| 108-10-1 | 4-Methyl-2-pentanone | 680 | U | 680 | 69 | |
| 67-64-1 | Acetone | 680 | U | 680 | 150 | |
| 71-43-2 | Benzene | 680 | U | 680 | 37 | |
| 75-27-4 | Bromodichloromethane | 680 | U | 680 | 35 | |
| 75-25-2 | Bromoform | 680 | U | 680 | 89 | |
| 74-83-9 | Bromomethane | 680 | U | 680 | 62 | |
| 75-15-0 | Carbon Disulfide | 680 | U | 680 | 42 | |
| 56-23-5 | Carbon Tetrachloride | 680 | U | 680 | 36 | |
| 108-90-7 | Chlorobenzene | 680 | U | 680 | 39 | |
| 75-00-3 | Chloroethane | 680 | U | 680 | 52 | |
| 67-66-3 | Chloroform | 680 | U | 680 | 59 | |
| 74-87-3 | Chloromethane | 680 | U | 680 | 63 | |
| 110-82-7 | Cyclohexane | 680 | U | 680 | 69 | |

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Collected: 9/11/13 1130
 Date Received: 9/16/13
 Date Analyzed: 9/23/13 14:31

Sample Name: TB-15A (24)
 Lab Code: R1306782-001

Units: µg/Kg
 Basis: Dry
 Percent Solids: 91.4

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
 Data File Name: I:\ACQUDATA\msvoa10\data\092313\F2266.D\

Analysis Lot: 359621
 Instrument Name: R-MS-10
 Dilution Factor: 125

| CAS No. | Analyte Name | Result | Q | MRL | MDL | Note |
|-------------|----------------------------------|--------|---|------|-----|------|
| 124-48-1 | Dibromochloromethane | 680 | U | 680 | 32 | |
| 75-71-8 | Dichlorodifluoromethane (CFC 12) | 680 | U | 680 | 47 | |
| 75-09-2 | Dichloromethane | 680 | U | 680 | 63 | |
| 100-41-4 | Ethylbenzene | 680 | U | 680 | 43 | |
| 98-82-8 | Isopropylbenzene (Cumene) | 680 | U | 680 | 44 | |
| 79-20-9 | Methyl Acetate | 680 | U | 680 | 80 | |
| 1634-04-4 | Methyl tert-Butyl Ether | 680 | U | 680 | 33 | |
| 108-87-2 | Methylcyclohexane | 2700 | | 680 | 55 | |
| 91-20-3 | Naphthalene | 680 | U | 680 | 32 | |
| 100-42-5 | Styrene | 680 | U | 680 | 28 | |
| 127-18-4 | Tetrachloroethene (PCE) | 680 | U | 680 | 28 | |
| 108-88-3 | Toluene | 680 | U | 680 | 47 | |
| 79-01-6 | Trichloroethene (TCE) | 680 | U | 680 | 28 | |
| 75-69-4 | Trichlorofluoromethane (CFC 11) | 680 | U | 680 | 57 | |
| 75-01-4 | Vinyl Chloride | 680 | U | 680 | 44 | |
| 1330-20-7 | Xylenes, Total | 2100 | U | 2100 | 120 | |
| 156-59-2 | cis-1,2-Dichloroethene | 680 | U | 680 | 35 | |
| 10061-01-5 | cis-1,3-Dichloropropene | 680 | U | 680 | 36 | |
| 179601-23-1 | m,p-Xylenes | 1400 | U | 1400 | 74 | |
| 104-51-8 | n-Butylbenzene | 680 | U | 680 | 28 | |
| 103-65-1 | n-Propylbenzene | 680 | U | 680 | 35 | |
| 95-47-6 | o-Xylene | 680 | U | 680 | 40 | |
| 135-98-8 | sec-Butylbenzene | 680 | U | 680 | 43 | |
| 98-06-6 | tert-Butylbenzene | 160 | J | 680 | 43 | |
| 156-60-5 | trans-1,2-Dichloroethene | 680 | U | 680 | 52 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 680 | U | 680 | 33 | |

| Surrogate Name | %Rec | Control Limits | Date Analyzed | Q |
|----------------------|------|----------------|---------------|---|
| 4-Bromofluorobenzene | 93 | 85-122 | 9/23/13 14:31 | |
| Dibromofluoromethane | 107 | 89-119 | 9/23/13 14:31 | |
| Toluene-d8 | 96 | 87-121 | 9/23/13 14:31 | |

Analytical Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Collected: 9/11/13
 Date Received: 9/16/13
 Date Analyzed: 9/23/13 1431

Tentatively Identified Compounds (TIC)
 Volatile Organic Compounds by GC/MS

Sample Name: TB-15A (24)
 Lab Code: R1306782-001

Units: µg/Kg
 Basis: Dry
 Percent Solids: 91.4

Analytical Method: 8260C

| CAS # | Analyte Name | RT | Result Q |
|-------------|------------------------------------|-------|----------|
| 006876-23-9 | Cyclohexane, 1,2-dimethyl-, trans- | 7.76 | 7300 JN |
| 002216-30-0 | Heptane, 2,5-dimethyl- | 8.26 | 8200 JN |
| 003073-66-3 | Cyclohexane, 1,1,3-trimethyl- | 8.40 | 7300 JN |
| 007667-60-9 | Cyclohexane, 1,2,4-trimethyl-, (1. | 8.62 | 11000 JN |
| | unknown | 9.10 | 9400 J |
| 004926-78-7 | Cyclohexane, 1-ethyl-4-methyl-, ci | 9.14 | 6200 JN |
| | unknown | 9.37 | 12000 J |
| | unknown | 9.45 | 6600 J |
| | unknown | 9.57 | 8000 J |
| | unknown | 9.65 | 5700 J |
| | unknown | 9.68 | 8200 J |
| | unknown | 9.82 | 17000 J |
| | unknown | 10.02 | 6700 J |
| 004291-79-6 | Cyclohexane, 1-methyl-2-propyl- | 10.23 | 5400 JN |
| | unknown | 10.78 | 4800 J |
| 000493-02-7 | Naphthalene, decahydro-, trans- | 11.13 | 5400 JN |
| | unknown | 11.27 | 5100 J |
| | unknown | 11.35 | 8200 J |
| | unknown | 11.99 | 5700 J |
| | unknown | 12.09 | 7000 J |

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Collected: 9/12/13 1015
 Date Received: 9/16/13
 Date Analyzed: 9/20/13 17:23

Sample Name: TB-12 (30')
 Lab Code: R1306782-003

Units: µg/Kg
 Basis: Dry
 Percent Solids: 90.1

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
 Data File Name: I:\ACQU\DATA\msvoa10\data\092013\F2208.D\

Analysis Lot: 359508
 Instrument Name: R-MS-10
 Dilution Factor: 125

| CAS No. | Analyte Name | Result | Q | MRL | MDL | Note |
|----------|---------------------------------------|--------|---|-----|-----|------|
| 71-55-6 | 1,1,1-Trichloroethane (TCA) | 690 | U | 690 | 53 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 690 | U | 690 | 28 | |
| 79-00-5 | 1,1,2-Trichloroethane | 690 | U | 690 | 57 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 690 | U | 690 | 63 | |
| 75-34-3 | 1,1-Dichloroethane (1,1-DCA) | 690 | U | 690 | 44 | |
| 75-35-4 | 1,1-Dichloroethene (1,1-DCE) | 690 | U | 690 | 74 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | 690 | U | 690 | 37 | |
| 96-18-4 | 1,2,3-Trichloropropane | 690 | U | 690 | 130 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 690 | U | 690 | 34 | |
| 95-63-6 | 1,2,4-Trimethylbenzene | 690 | U | 690 | 28 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | 690 | U | 690 | 110 | |
| 106-93-4 | 1,2-Dibromoethane | 690 | U | 690 | 68 | |
| 95-50-1 | 1,2-Dichlorobenzene | 690 | U | 690 | 41 | |
| 107-06-2 | 1,2-Dichloroethane | 690 | U | 690 | 45 | |
| 78-87-5 | 1,2-Dichloropropane | 690 | U | 690 | 53 | |
| 108-67-8 | 1,3,5-Trimethylbenzene | 690 | U | 690 | 28 | |
| 541-73-1 | 1,3-Dichlorobenzene | 690 | U | 690 | 28 | |
| 142-28-9 | 1,3-Dichloropropane | 690 | U | 690 | 31 | |
| 106-46-7 | 1,4-Dichlorobenzene | 690 | U | 690 | 46 | |
| 78-93-3 | 2-Butanone (MEK) | 690 | U | 690 | 220 | |
| 591-78-6 | 2-Hexanone | 690 | U | 690 | 81 | |
| 99-87-6 | 4-Isopropyltoluene | 690 | U | 690 | 46 | |
| 108-10-1 | 4-Methyl-2-pentanone | 690 | U | 690 | 70 | |
| 67-64-1 | Acetone | 690 | U | 690 | 160 | |
| 71-43-2 | Benzene | 690 | U | 690 | 38 | |
| 75-27-4 | Bromodichloromethane | 690 | U | 690 | 35 | |
| 75-25-2 | Bromoform | 690 | U | 690 | 91 | |
| 74-83-9 | Bromomethane | 690 | U | 690 | 63 | |
| 75-15-0 | Carbon Disulfide | 690 | U | 690 | 42 | |
| 56-23-5 | Carbon Tetrachloride | 690 | U | 690 | 37 | |
| 108-90-7 | Chlorobenzene | 690 | U | 690 | 39 | |
| 75-00-3 | Chloroethane | 690 | U | 690 | 53 | |
| 67-66-3 | Chloroform | 690 | U | 690 | 60 | |
| 74-87-3 | Chloromethane | 690 | U | 690 | 64 | |
| 110-82-7 | Cyclohexane | 690 | U | 690 | 70 | |

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Collected: 9/12/13 10:15
 Date Received: 9/16/13
 Date Analyzed: 9/20/13 17:23

Sample Name: TB-12 (30')
 Lab Code: R1306782-003

Units: µg/Kg
 Basis: Dry
 Percent Solids: 90.1

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
 Data File Name: I:\ACQUADATA\msvoa10\data\092013\F2208.D\

Analysis Lot: 359508
 Instrument Name: R-MS-10
 Dilution Factor: 125

| CAS No. | Analyte Name | Result | Q | MRL | MDL | Note |
|-------------|----------------------------------|--------|---|------|-----|------|
| 124-48-1 | Dibromochloromethane | 690 | U | 690 | 32 | |
| 75-71-8 | Dichlorodifluoromethane (CFC 12) | 690 | U | 690 | 48 | |
| 75-09-2 | Dichloromethane | 690 | U | 690 | 64 | |
| 100-41-4 | Ethylbenzene | 690 | U | 690 | 44 | |
| 98-82-8 | Isopropylbenzene (Cumene) | 690 | U | 690 | 45 | |
| 79-20-9 | Methyl Acetate | 690 | U | 690 | 81 | |
| 1634-04-4 | Methyl tert-Butyl Ether | 690 | U | 690 | 34 | |
| 108-87-2 | Methylcyclohexane | 690 | U | 690 | 56 | |
| 91-20-3 | Naphthalene | 690 | U | 690 | 32 | |
| 100-42-5 | Styrene | 690 | U | 690 | 28 | |
| 127-18-4 | Tetrachloroethene (PCE) | 690 | U | 690 | 28 | |
| 108-88-3 | Toluene | 690 | U | 690 | 48 | |
| 79-01-6 | Trichloroethene (TCE) | 690 | U | 690 | 28 | |
| 75-69-4 | Trichlorofluoromethane (CFC 11) | 690 | U | 690 | 57 | |
| 75-01-4 | Vinyl Chloride | 690 | U | 690 | 45 | |
| 1330-20-7 | Xylenes, Total | 2100 | U | 2100 | 120 | |
| 156-59-2 | cis-1,2-Dichloroethene | 690 | U | 690 | 35 | |
| 10061-01-5 | cis-1,3-Dichloropropene | 690 | U | 690 | 37 | |
| 179601-23-1 | m,p-Xylenes | 1400 | U | 1400 | 75 | |
| 104-51-8 | n-Butylbenzene | 690 | U | 690 | 28 | |
| 103-65-1 | n-Propylbenzene | 690 | U | 690 | 35 | |
| 95-47-6 | o-Xylene | 690 | U | 690 | 41 | |
| 135-98-8 | sec-Butylbenzene | 690 | U | 690 | 44 | |
| 98-06-6 | tert-Butylbenzene | 690 | U | 690 | 44 | |
| 156-60-5 | trans-1,2-Dichloroethene | 690 | U | 690 | 53 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 690 | U | 690 | 34 | |

| Surrogate Name | %Rec | Control Limits | Date Analyzed | Q |
|----------------------|------|----------------|---------------|---|
| 4-Bromofluorobenzene | 108 | 85-122 | 9/20/13 17:23 | |
| Dibromofluoromethane | 104 | 89-119 | 9/20/13 17:23 | |
| Toluene-d8 | 99 | 87-121 | 9/20/13 17:23 | |

Analytical Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Collected: 9/12/13
 Date Received: 9/16/13
 Date Analyzed: 9/20/13 1723

Tentatively Identified Compounds (TIC)
 Volatile Organic Compounds by GC/MS

Sample Name: TB-12 (30')
 Lab Code: R1306782-003

Units: µg/Kg
 Basis: Dry
 Percent Solids: 90.1

Analytical Method: 8260C

| CAS # | Analyte Name | RT | Result | Q |
|-------------|------------------------------------|-------|--------|----|
| | unknown | 9.24 | 3500 | J |
| 004923-78-8 | Cyclohexane, 1-ethyl-2-methyl-, tr | 9.38 | 6700 | JN |
| | unknown | 9.55 | 5200 | J |
| | unknown | 9.68 | 5200 | J |
| | unknown | 9.74 | 4600 | J |
| | unknown | 9.79 | 5800 | J |
| | unknown | 10.01 | 7800 | J |
| | unknown | 10.14 | 6000 | J |
| | unknown | 10.29 | 4200 | J |
| | unknown | 10.33 | 2500 | J |
| | unknown | 10.55 | 5200 | J |
| | unknown | 10.64 | 3000 | J |
| | unknown | 10.70 | 7800 | J |
| | unknown | 11.14 | 5500 | J |
| | unknown | 11.18 | 2400 | J |
| | unknown | 11.24 | 3600 | J |
| | unknown | 11.28 | 3100 | J |
| 002207-04-7 | Cyclohexane, 1,4-dimethyl-, trans- | 11.35 | 6400 | JN |
| 002958-76-1 | Naphthalene, decahydro-2-methyl- | 11.60 | 3800 | JN |
| 002958-76-1 | Naphthalene, decahydro-2-methyl- | 11.74 | 2800 | JN |

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Collected: NA
 Date Received: NA
 Date Analyzed: 9/20/13 14:49

Sample Name: Method Blank
 Lab Code: RQ1311427-01

Units: µg/Kg
 Basis: Dry

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
 Data File Name: I:\ACQUDATA\msvoa10\data\092013\F2203.D\

Analysis Lot: 359508
 Instrument Name: R-MS-10
 Dilution Factor: 50

| CAS No. | Analyte Name | Result | Q | MRL | MDL | Note |
|----------|---------------------------------------|--------|---|-----|-----|------|
| 71-55-6 | 1,1,1-Trichloroethane (TCA) | 250 | U | 250 | 19 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 250 | U | 250 | 10 | |
| 79-00-5 | 1,1,2-Trichloroethane | 250 | U | 250 | 21 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 250 | U | 250 | 23 | |
| 75-34-3 | 1,1-Dichloroethane (1,1-DCA) | 250 | U | 250 | 16 | |
| 75-35-4 | 1,1-Dichloroethene (1,1-DCE) | 250 | U | 250 | 27 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | 250 | U | 250 | 13 | |
| 96-18-4 | 1,2,3-Trichloropropane | 250 | U | 250 | 45 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 250 | U | 250 | 12 | |
| 95-63-6 | 1,2,4-Trimethylbenzene | 250 | U | 250 | 10 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | 250 | U | 250 | 40 | |
| 106-93-4 | 1,2-Dibromoethane | 250 | U | 250 | 25 | |
| 95-50-1 | 1,2-Dichlorobenzene | 250 | U | 250 | 15 | |
| 107-06-2 | 1,2-Dichloroethane | 250 | U | 250 | 16 | |
| 78-87-5 | 1,2-Dichloropropane | 250 | U | 250 | 19 | |
| 108-67-8 | 1,3,5-Trimethylbenzene | 250 | U | 250 | 10 | |
| 541-73-1 | 1,3-Dichlorobenzene | 250 | U | 250 | 10 | |
| 142-28-9 | 1,3-Dichloropropane | 250 | U | 250 | 12 | |
| 106-46-7 | 1,4-Dichlorobenzene | 250 | U | 250 | 17 | |
| 78-93-3 | 2-Butanone (MEK) | 250 | U | 250 | 77 | |
| 591-78-6 | 2-Hexanone | 250 | U | 250 | 29 | |
| 99-87-6 | 4-Isopropyltoluene | 250 | U | 250 | 17 | |
| 108-10-1 | 4-Methyl-2-pentanone | 250 | U | 250 | 25 | |
| 67-64-1 | Acetone | 250 | U | 250 | 55 | |
| 71-43-2 | Benzene | 250 | U | 250 | 14 | |
| 75-27-4 | Bromodichloromethane | 250 | U | 250 | 13 | |
| 75-25-2 | Bromoform | 250 | U | 250 | 33 | |
| 74-83-9 | Bromomethane | 250 | U | 250 | 23 | |
| 75-15-0 | Carbon Disulfide | 250 | U | 250 | 15 | |
| 56-23-5 | Carbon Tetrachloride | 250 | U | 250 | 13 | |
| 108-90-7 | Chlorobenzene | 250 | U | 250 | 15 | |
| 75-00-3 | Chloroethane | 250 | U | 250 | 19 | |
| 67-66-3 | Chloroform | 250 | U | 250 | 22 | |
| 74-87-3 | Chloromethane | 250 | U | 250 | 23 | |
| 110-82-7 | Cyclohexane | 250 | U | 250 | 25 | |

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Collected: NA
 Date Received: NA
 Date Analyzed: 9/20/13 14:49

Sample Name: Method Blank
 Lab Code: RQ1311427-01

Units: µg/Kg
 Basis: Dry

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
 Data File Name: I:\ACQUDATA\msvoa10\data\092013\F2203.D\

Analysis Lot: 359508
 Instrument Name: R-MS-10
 Dilution Factor: 50

| CAS No. | Analyte Name | Result | Q | MRL | MDL | Note |
|-------------|----------------------------------|--------|---|-----|-----|------|
| 124-48-1 | Dibromochloromethane | 250 | U | 250 | 12 | |
| 75-71-8 | Dichlorodifluoromethane (CFC 12) | 250 | U | 250 | 17 | |
| 75-09-2 | Dichloromethane | 250 | U | 250 | 23 | |
| 100-41-4 | Ethylbenzene | 250 | U | 250 | 16 | |
| 98-82-8 | Isopropylbenzene (Cumene) | 250 | U | 250 | 16 | |
| 79-20-9 | Methyl Acetate | 250 | U | 250 | 29 | |
| 1634-04-4 | Methyl tert-Butyl Ether | 250 | U | 250 | 12 | |
| 108-87-2 | Methylcyclohexane | 250 | U | 250 | 20 | |
| 91-20-3 | Naphthalene | 250 | U | 250 | 12 | |
| 100-42-5 | Styrene | 250 | U | 250 | 10 | |
| 127-18-4 | Tetrachloroethene (PCE) | 250 | U | 250 | 10 | |
| 108-88-3 | Toluene | 250 | U | 250 | 17 | |
| 79-01-6 | Trichloroethene (TCE) | 250 | U | 250 | 10 | |
| 75-69-4 | Trichlorofluoromethane (CFC 11) | 250 | U | 250 | 21 | |
| 75-01-4 | Vinyl Chloride | 250 | U | 250 | 16 | |
| 1330-20-7 | Xylenes, Total | 750 | U | 750 | 42 | |
| 156-59-2 | cis-1,2-Dichloroethene | 250 | U | 250 | 13 | |
| 10061-01-5 | cis-1,3-Dichloropropene | 250 | U | 250 | 13 | |
| 179601-23-1 | m,p-Xylenes | 500 | U | 500 | 27 | |
| 104-51-8 | n-Butylbenzene | 250 | U | 250 | 10 | |
| 103-65-1 | n-Propylbenzene | 250 | U | 250 | 13 | |
| 95-47-6 | o-Xylene | 250 | U | 250 | 15 | |
| 135-98-8 | sec-Butylbenzene | 250 | U | 250 | 16 | |
| 98-06-6 | tert-Butylbenzene | 250 | U | 250 | 16 | |
| 156-60-5 | trans-1,2-Dichloroethene | 250 | U | 250 | 19 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 250 | U | 250 | 12 | |

| Surrogate Name | %Rec | Control Limits | Date Analyzed | Q |
|----------------------|------|----------------|---------------|---|
| 4-Bromofluorobenzene | 94 | 85-122 | 9/20/13 14:49 | |
| Dibromofluoromethane | 105 | 89-119 | 9/20/13 14:49 | |
| Toluene-d8 | 97 | 87-121 | 9/20/13 14:49 | |

Analytical Report

Client: Day Environmental, Incorporated
Project: Olean/48845-13
Sample Matrix: Soil

Service Request: R1306782
Date Collected: NA
Date Received: NA
Date Analyzed: 9/20/13 1449

Tentatively Identified Compounds (TIC)
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: RQ1311427-01

Units: µg/Kg
Basis: Dry

Analytical Method: 8260C

| CAS # | Analyte Name | RT | Result | Q |
|-------|--------------|----|--------|---|
|-------|--------------|----|--------|---|

No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Collected: NA
 Date Received: NA
 Date Analyzed: 9/23/13 10:59

Sample Name: Method Blank
 Lab Code: RQ1311593-01

Units: µg/Kg
 Basis: Dry

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
 Data File Name: I:\ACQUDATA\msvoa10\data\092313\F2260.D\

Analysis Lot: 359621
 Instrument Name: R-MS-10
 Dilution Factor: 50

| CAS No. | Analyte Name | Result Q | MRL | MDL | Note |
|----------|---------------------------------------|----------|-----|-----|------|
| 71-55-6 | 1,1,1-Trichloroethane (TCA) | 250 U | 250 | 19 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 250 U | 250 | 10 | |
| 79-00-5 | 1,1,2-Trichloroethane | 250 U | 250 | 21 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 250 U | 250 | 23 | |
| 75-34-3 | 1,1-Dichloroethane (1,1-DCA) | 250 U | 250 | 16 | |
| 75-35-4 | 1,1-Dichloroethene (1,1-DCE) | 250 U | 250 | 27 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | 250 U | 250 | 13 | |
| 96-18-4 | 1,2,3-Trichloropropane | 250 U | 250 | 45 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 13 J | 250 | 12 | |
| 95-63-6 | 1,2,4-Trimethylbenzene | 250 U | 250 | 10 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | 250 U | 250 | 40 | |
| 106-93-4 | 1,2-Dibromoethane | 250 U | 250 | 25 | |
| 95-50-1 | 1,2-Dichlorobenzene | 250 U | 250 | 15 | |
| 107-06-2 | 1,2-Dichloroethane | 250 U | 250 | 16 | |
| 78-87-5 | 1,2-Dichloropropane | 250 U | 250 | 19 | |
| 108-67-8 | 1,3,5-Trimethylbenzene | 250 U | 250 | 10 | |
| 541-73-1 | 1,3-Dichlorobenzene | 250 U | 250 | 10 | |
| 142-28-9 | 1,3-Dichloropropane | 250 U | 250 | 12 | |
| 106-46-7 | 1,4-Dichlorobenzene | 250 U | 250 | 17 | |
| 78-93-3 | 2-Butanone (MEK) | 250 U | 250 | 77 | |
| 591-78-6 | 2-Hexanone | 250 U | 250 | 29 | |
| 99-87-6 | 4-Isopropyltoluene | 250 U | 250 | 17 | |
| 108-10-1 | 4-Methyl-2-pentanone | 250 U | 250 | 25 | |
| 67-64-1 | Acetone | 250 U | 250 | 55 | |
| 71-43-2 | Benzene | 250 U | 250 | 14 | |
| 75-27-4 | Bromodichloromethane | 250 U | 250 | 13 | |
| 75-25-2 | Bromoform | 250 U | 250 | 33 | |
| 74-83-9 | Bromomethane | 250 U | 250 | 23 | |
| 75-15-0 | Carbon Disulfide | 250 U | 250 | 15 | |
| 56-23-5 | Carbon Tetrachloride | 250 U | 250 | 13 | |
| 108-90-7 | Chlorobenzene | 250 U | 250 | 15 | |
| 75-00-3 | Chloroethane | 250 U | 250 | 19 | |
| 67-66-3 | Chloroform | 250 U | 250 | 22 | |
| 74-87-3 | Chloromethane | 250 U | 250 | 23 | |
| 110-82-7 | Cyclohexane | 250 U | 250 | 25 | |

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Collected: NA
 Date Received: NA
 Date Analyzed: 9/23/13 10:59

Sample Name: Method Blank
 Lab Code: RQ1311593-01

Units: µg/Kg
 Basis: Dry

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
 Data File Name: I:\ACQU\DATA\msv\10\data\092313\F2260.D\

Analysis Lot: 359621
 Instrument Name: R-MS-10
 Dilution Factor: 50

| CAS No. | Analyte Name | Result | Q | MRL | MDL | Note |
|-------------|----------------------------------|--------|---|-----|-----|------|
| 124-48-1 | Dibromochloromethane | 250 | U | 250 | 12 | |
| 75-71-8 | Dichlorodifluoromethane (CFC 12) | 250 | U | 250 | 17 | |
| 75-09-2 | Dichloromethane | 250 | U | 250 | 23 | |
| 100-41-4 | Ethylbenzene | 250 | U | 250 | 16 | |
| 98-82-8 | Isopropylbenzene (Cumene) | 250 | U | 250 | 16 | |
| 79-20-9 | Methyl Acetate | 250 | U | 250 | 29 | |
| 1634-04-4 | Methyl tert-Butyl Ether | 250 | U | 250 | 12 | |
| 108-87-2 | Methylcyclohexane | 250 | U | 250 | 20 | |
| 91-20-3 | Naphthalene | 250 | U | 250 | 12 | |
| 100-42-5 | Styrene | 250 | U | 250 | 10 | |
| 127-18-4 | Tetrachloroethene (PCE) | 250 | U | 250 | 10 | |
| 108-88-3 | Toluene | 250 | U | 250 | 17 | |
| 79-01-6 | Trichloroethene (TCE) | 250 | U | 250 | 10 | |
| 75-69-4 | Trichlorofluoromethane (CFC 11) | 250 | U | 250 | 21 | |
| 75-01-4 | Vinyl Chloride | 250 | U | 250 | 16 | |
| 1330-20-7 | Xylenes, Total | 750 | U | 750 | 42 | |
| 156-59-2 | cis-1,2-Dichloroethene | 250 | U | 250 | 13 | |
| 10061-01-5 | cis-1,3-Dichloropropene | 250 | U | 250 | 13 | |
| 179601-23-1 | m,p-Xylenes | 500 | U | 500 | 27 | |
| 104-51-8 | n-Butylbenzene | 250 | U | 250 | 10 | |
| 103-65-1 | n-Propylbenzene | 250 | U | 250 | 13 | |
| 95-47-6 | o-Xylene | 250 | U | 250 | 15 | |
| 135-98-8 | sec-Butylbenzene | 250 | U | 250 | 16 | |
| 98-06-6 | tert-Butylbenzene | 250 | U | 250 | 16 | |
| 156-60-5 | trans-1,2-Dichloroethene | 250 | U | 250 | 19 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 250 | U | 250 | 12 | |

| Surrogate Name | %Rec | Control Limits | Date Analyzed | Q |
|----------------------|------|----------------|---------------|---|
| 4-Bromofluorobenzene | 89 | 85-122 | 9/23/13 10:59 | |
| Dibromofluoromethane | 106 | 89-119 | 9/23/13 10:59 | |
| Toluene-d8 | 94 | 87-121 | 9/23/13 10:59 | |

Analytical Report

Client: Day Environmental, Incorporated
Project: Olean/48845-13
Sample Matrix: Soil

Service Request: R1306782
Date Collected: NA
Date Received: NA
Date Analyzed: 9/23/13 1059

Tentatively Identified Compounds (TIC)
Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: RQ1311593-01

Units: µg/Kg
Basis: Dry

Analytical Method: 8260C

| CAS # | Analyte Name | RT | Result | Q |
|-------|--------------|----|--------|---|
|-------|--------------|----|--------|---|

No Tentatively Identified Compounds Detected.

Comments:

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Analyzed: 9/20/13

Lab Control Sample Summary
 Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/Kg
 Basis: Dry

Analysis Lot: 359508

Lab Control Sample
 RQ1311427-02

| Analyte Name | Result | Spike Amount | % Rec | % Rec Limits |
|---------------------------------------|--------|--------------|-------|--------------|
| 1,1,1-Trichloroethane (TCA) | 16.3 | 20.0 | 82 | 67 - 121 |
| 1,1,2,2-Tetrachloroethane | 18.6 | 20.0 | 93 | 72 - 124 |
| 1,1,2-Trichloroethane | 18.9 | 20.0 | 94 | 81 - 117 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 18.4 | 20.0 | 92 | 60 - 123 |
| 1,1-Dichloroethane (1,1-DCA) | 17.5 | 20.0 | 88 | 76 - 128 |
| 1,1-Dichloroethene (1,1-DCE) | 20.8 | 20.0 | 104 | 74 - 135 |
| 1,2,3-Trichlorobenzene | 20.4 | 20.0 | 102 | 67 - 135 |
| 1,2,3-Trichloropropane | 17.7 | 20.0 | 89 | 72 - 123 |
| 1,2,4-Trichlorobenzene | 19.6 | 20.0 | 98 | 70 - 130 |
| 1,2,4-Trimethylbenzene | 16.0 | 20.0 | 80 | 72 - 127 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 18.3 | 20.0 | 92 | 64 - 131 |
| 1,2-Dibromoethane | 19.1 | 20.0 | 96 | 81 - 118 |
| 1,2-Dichlorobenzene | 18.1 | 20.0 | 90 | 80 - 119 |
| 1,2-Dichloroethane | 16.4 | 20.0 | 82 | 72 - 130 |
| 1,2-Dichloropropane | 17.8 | 20.0 | 89 | 80 - 119 |
| 1,3,5-Trimethylbenzene | 16.2 | 20.0 | 81 | 71 - 128 |
| 1,3-Dichlorobenzene | 17.7 | 20.0 | 88 | 79 - 121 |
| 1,3-Dichloropropane | 18.8 | 20.0 | 94 | 81 - 115 |
| 1,4-Dichlorobenzene | 17.8 | 20.0 | 89 | 79 - 119 |
| 2-Butanone (MEK) | 15.6 | 20.0 | 78 | 60 - 133 |
| 2-Hexanone | 15.2 | 20.0 | 76 | 61 - 131 |
| 4-Isopropyltoluene | 16.4 | 20.0 | 82 | 71 - 130 |
| 4-Methyl-2-pentanone | 16.4 | 20.0 | 82 | 61 - 132 |
| Acetone | 12.8 | 20.0 | 64 | 61 - 138 |
| Benzene | 18.1 | 20.0 | 90 | 76 - 118 |
| Bromodichloromethane | 18.9 | 20.0 | 95 | 79 - 123 |
| Bromoform | 20.2 | 20.0 | 101 | 72 - 128 |
| Bromomethane | 22.0 | 20.0 | 110 | 46 - 157 |
| Carbon Disulfide | 24.4 | 20.0 | 122 | 61 - 144 |
| Carbon Tetrachloride | 17.8 | 20.0 | 89 | 64 - 129 |
| Chlorobenzene | 18.1 | 20.0 | 90 | 80 - 121 |
| Chloroethane | 18.8 | 20.0 | 94 | 69 - 128 |
| Chloroform | 18.2 | 20.0 | 91 | 75 - 123 |

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Analyzed: 9/20/13

Lab Control Sample Summary
 Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/Kg
 Basis: Dry

Analysis Lot: 359508

Lab Control Sample
 RQ1311427-02

| Analyte Name | Result | Spike Amount | % Rec | % Rec Limits |
|----------------------------------|--------|--------------|-------|--------------|
| Chloromethane | 17.5 | 20.0 | 87 | 55 - 139 |
| Cyclohexane | 14.9 | 20.0 | 75 | 55 - 132 |
| Dibromochloromethane | 19.7 | 20.0 | 99 | 78 - 127 |
| Dichlorodifluoromethane (CFC 12) | 19.5 | 20.0 | 97 | 45 - 147 |
| Dichloromethane | 19.4 | 20.0 | 97 | 73 - 122 |
| Ethylbenzene | 17.2 | 20.0 | 86 | 75 - 123 |
| Isopropylbenzene (Cumene) | 16.4 | 20.0 | 82 | 75 - 139 |
| Methyl Acetate | 13.8 | 20.0 | 69 | 65 - 131 |
| Methyl tert-Butyl Ether | 16.6 | 20.0 | 83 | 75 - 116 |
| Methylcyclohexane | 16.8 | 20.0 | 84 | 59 - 127 |
| Naphthalene | 18.3 | 20.0 | 92 | 71 - 139 |
| Styrene | 17.2 | 20.0 | 86 | 80 - 121 |
| Tetrachloroethene (PCE) | 17.9 | 20.0 | 89 | 71 - 127 |
| Toluene | 17.5 | 20.0 | 87 | 77 - 120 |
| Trichloroethene (TCE) | 19.4 | 20.0 | 97 | 75 - 122 |
| Trichlorofluoromethane (CFC 11) | 18.7 | 20.0 | 94 | 64 - 134 |
| Vinyl Chloride | 19.4 | 20.0 | 97 | 68 - 139 |
| Xylenes, Total | 50.5 | 60.0 | 84 | 77 - 122 |
| cis-1,2-Dichloroethene | 18.9 | 20.0 | 94 | 77 - 123 |
| cis-1,3-Dichloropropene | 17.3 | 20.0 | 86 | 77 - 125 |
| m,p-Xylenes | 33.8 | 40.0 | 85 | 77 - 124 |
| n-Butylbenzene | 16.5 | 20.0 | 82 | 65 - 135 |
| n-Propylbenzene | 16.9 | 20.0 | 84 | 69 - 132 |
| o-Xylene | 16.7 | 20.0 | 83 | 77 - 131 |
| sec-Butylbenzene | 16.3 | 20.0 | 81 | 67 - 131 |
| tert-Butylbenzene | 15.8 | 20.0 | 79 | 70 - 126 |
| trans-1,2-Dichloroethene | 18.2 | 20.0 | 91 | 72 - 120 |
| trans-1,3-Dichloropropene | 16.2 | 20.0 | 81 | 69 - 127 |

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Analyzed: 9/23/13

Lab Control Sample Summary
 Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/Kg
 Basis: Dry

Analysis Lot: 359621

Lab Control Sample
 RQ1311593-02

| Analyte Name | Result | Spike Amount | % Rec | % Rec Limits |
|---------------------------------------|--------|--------------|-------|--------------|
| 1,1,1-Trichloroethane (TCA) | 17.8 | 20.0 | 89 | 67 - 121 |
| 1,1,2,2-Tetrachloroethane | 21.3 | 20.0 | 106 | 72 - 124 |
| 1,1,2-Trichloroethane | 18.5 | 20.0 | 92 | 81 - 117 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 20.0 | 20.0 | 100 | 60 - 123 |
| 1,1-Dichloroethane (1,1-DCA) | 18.2 | 20.0 | 91 | 76 - 128 |
| 1,1-Dichloroethene (1,1-DCE) | 22.1 | 20.0 | 111 | 74 - 135 |
| 1,2,3-Trichlorobenzene | 21.8 | 20.0 | 109 | 67 - 135 |
| 1,2,3-Trichloropropane | 19.8 | 20.0 | 99 | 72 - 123 |
| 1,2,4-Trichlorobenzene | 21.3 | 20.0 | 107 | 70 - 130 |
| 1,2,4-Trimethylbenzene | 18.8 | 20.0 | 94 | 72 - 127 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 21.9 | 20.0 | 110 | 64 - 131 |
| 1,2-Dibromoethane | 21.1 | 20.0 | 106 | 81 - 118 |
| 1,2-Dichlorobenzene | 20.1 | 20.0 | 101 | 80 - 119 |
| 1,2-Dichloroethane | 18.8 | 20.0 | 94 | 72 - 130 |
| 1,2-Dichloropropane | 18.2 | 20.0 | 91 | 80 - 119 |
| 1,3,5-Trimethylbenzene | 18.4 | 20.0 | 92 | 71 - 128 |
| 1,3-Dichlorobenzene | 19.7 | 20.0 | 99 | 79 - 121 |
| 1,3-Dichloropropane | 19.7 | 20.0 | 99 | 81 - 115 |
| 1,4-Dichlorobenzene | 19.8 | 20.0 | 99 | 79 - 119 |
| 2-Butanone (MEK) | 19.6 | 20.0 | 98 | 60 - 133 |
| 2-Hexanone | 19.4 | 20.0 | 97 | 61 - 131 |
| 4-Isopropyltoluene | 19.2 | 20.0 | 96 | 71 - 130 |
| 4-Methyl-2-pentanone | 19.5 | 20.0 | 98 | 61 - 132 |
| Acetone | 19.0 | 20.0 | 95 | 61 - 138 |
| Benzene | 18.0 | 20.0 | 90 | 76 - 118 |
| Bromodichloromethane | 20.2 | 20.0 | 101 | 79 - 123 |
| Bromoform | 21.8 | 20.0 | 109 | 72 - 128 |
| Bromomethane | 20.5 | 20.0 | 102 | 46 - 157 |
| Carbon Disulfide | 21.3 | 20.0 | 106 | 61 - 144 |
| Carbon Tetrachloride | 18.5 | 20.0 | 93 | 64 - 129 |
| Chlorobenzene | 19.5 | 20.0 | 97 | 80 - 121 |
| Chloroethane | 18.0 | 20.0 | 90 | 69 - 128 |
| Chloroform | 19.2 | 20.0 | 96 | 75 - 123 |

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Analyzed: 9/23/13

Lab Control Sample Summary
 Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/Kg
 Basis: Dry

Analysis Lot: 359621

Lab Control Sample
 RQ1311593-02

| Analyte Name | Result | Spike Amount | % Rec | % Rec Limits |
|----------------------------------|--------|--------------|-------|--------------|
| Chloromethane | 19.3 | 20.0 | 96 | 55 - 139 |
| Cyclohexane | 19.2 | 20.0 | 96 | 55 - 132 |
| Dibromochloromethane | 22.2 | 20.0 | 111 | 78 - 127 |
| Dichlorodifluoromethane (CFC 12) | 19.8 | 20.0 | 99 | 45 - 147 |
| Dichloromethane | 19.8 | 20.0 | 99 | 73 - 122 |
| Ethylbenzene | 18.4 | 20.0 | 92 | 75 - 123 |
| Isopropylbenzene (Cumene) | 17.9 | 20.0 | 90 | 75 - 139 |
| Methyl Acetate | 18.6 | 20.0 | 93 | 65 - 131 |
| Methyl tert-Butyl Ether | 18.0 | 20.0 | 90 | 75 - 116 |
| Methylcyclohexane | 17.6 | 20.0 | 88 | 59 - 127 |
| Naphthalene | 20.4 | 20.0 | 102 | 71 - 139 |
| Styrene | 18.3 | 20.0 | 92 | 80 - 121 |
| Tetrachloroethene (PCE) | 18.9 | 20.0 | 94 | 71 - 127 |
| Toluene | 17.2 | 20.0 | 86 | 77 - 120 |
| Trichloroethene (TCE) | 19.8 | 20.0 | 99 | 75 - 122 |
| Trichlorofluoromethane (CFC 11) | 19.4 | 20.0 | 97 | 64 - 134 |
| Vinyl Chloride | 18.8 | 20.0 | 94 | 68 - 139 |
| Xylenes, Total | 54.3 | 60.0 | 90 | 77 - 122 |
| cis-1,2-Dichloroethene | 19.5 | 20.0 | 97 | 77 - 123 |
| cis-1,3-Dichloropropene | 17.7 | 20.0 | 89 | 77 - 125 |
| m,p-Xylenes | 36.4 | 40.0 | 91 | 77 - 124 |
| n-Butylbenzene | 18.5 | 20.0 | 92 | 65 - 135 |
| n-Propylbenzene | 19.3 | 20.0 | 97 | 69 - 132 |
| o-Xylene | 17.8 | 20.0 | 89 | 77 - 131 |
| sec-Butylbenzene | 18.7 | 20.0 | 94 | 67 - 131 |
| tert-Butylbenzene | 18.1 | 20.0 | 90 | 70 - 126 |
| trans-1,2-Dichloroethene | 18.5 | 20.0 | 92 | 72 - 120 |
| trans-1,3-Dichloropropene | 17.8 | 20.0 | 89 | 69 - 127 |

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Collected: 9/11/13 1130
 Date Received: 9/16/13
 Date Extracted: 9/18/13
 Date Analyzed: 9/23/13 13:36

Sample Name: TB-15A (24')
 Lab Code: R1306782-001

Units: µg/Kg
 Basis: Dry
 Percent Solids: 91.4

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
 Prep Method: EPA 3541
 Data File Name: I:\ACQU\DATA\5973A\DATA\092313\CT061.D\

Analysis Lot: 359856
 Extraction Lot: 191738
 Instrument Name: R-MS-51
 Dilution Factor: 1

| CAS No. | Analyte Name | Result Q | MRL | MDL | Note |
|-----------|---|----------------|------------|----------|------|
| 95-95-4 | 2,4,5-Trichlorophenol | 360 U | 360 | 64 | |
| 88-06-2 | 2,4,6-Trichlorophenol | 360 U | 360 | 53 | |
| 120-83-2 | 2,4-Dichlorophenol | 360 U | 360 | 49 | |
| 105-67-9 | 2,4-Dimethylphenol | 360 U | 360 | 40 | |
| 51-28-5 | 2,4-Dinitrophenol | 1900 U | 1900 | 160 | |
| 121-14-2 | 2,4-Dinitrotoluene | 360 U | 360 | 78 | |
| 606-20-2 | 2,6-Dinitrotoluene | 360 U | 360 | 60 | |
| 91-58-7 | 2-Chloronaphthalene | 360 U | 360 | 38 | |
| 95-57-8 | 2-Chlorophenol | 360 U | 360 | 38 | |
| 91-57-6 | 2-Methylnaphthalene | 360 U | 360 | 37 | |
| 95-48-7 | 2-Methylphenol | 360 U | 360 | 47 | |
| 88-74-4 | 2-Nitroaniline | 1900 U | 1900 | 300 | |
| 88-75-5 | 2-Nitrophenol | 360 U | 360 | 54 | |
| 91-94-1 | 3,3'-Dichlorobenzidine 3- and 4-Methylphenol Coelution | 360 U 360 U | 360 360 | 66 55 | |
| 99-09-2 | 3-Nitroaniline | 1900 U | 1900 | 340 | |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1900 U | 1900 | 530 | |
| 101-55-3 | 4-Bromophenyl Phenyl Ether | 360 U | 360 | 65 | |
| 59-50-7 | 4-Chloro-3-methylphenol | 360 U | 360 | 40 | |
| 106-47-8 | 4-Chloroaniline | 360 U | 360 | 70 | |
| 7005-72-3 | 4-Chlorophenyl Phenyl Ether | 360 U | 360 | 51 | |
| 100-01-6 | 4-Nitroaniline | 1900 U | 1900 | 400 | |
| 100-02-7 | 4-Nitrophenol | 1900 U | 1900 | 270 | |
| 83-32-9 | Acenaphthene | 360 U | 360 | 52 | |
| 208-96-8 | Acenaphthylene | 360 U | 360 | 49 | |
| 98-86-2 | Acetophenone | 360 U | 360 | 71 | |
| 62-53-3 | Aniline | 360 U | 360 | 56 | |
| 120-12-7 | Anthracene | 360 U | 360 | 57 | |
| 1912-24-9 | Atrazine | 360 U | 360 | 150 | |
| 56-55-3 | Benz(a)anthracene | 360 U | 360 | 56 | |
| 100-52-7 | Benzaldehyde | 1900 U | 1900 | 95 | |
| 50-32-8 | Benzo(a)pyrene | 360 U | 360 | 61 | |
| 205-99-2 | Benzo(b)fluoranthene | 360 U | 360 | 88 | |

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Collected: 9/11/13 1130
 Date Received: 9/16/13
 Date Extracted: 9/18/13
 Date Analyzed: 9/23/13 13:36

Sample Name: TB-15A (24')
 Lab Code: R1306782-001

Units: µg/Kg
 Basis: Dry
 Percent Solids: 91.4

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDATA\5973A\DATA\092313\CT061.D\

Analysis Lot: 359856
 Extraction Lot: 191738
 Instrument Name: R-MS-51
 Dilution Factor: 1

| CAS No. | Analyte Name | Result | Q | MRL | MDL | Note |
|----------|--------------------------------|--------|---|------|-----|------|
| 191-24-2 | Benzo(g,h,i)perylene | 360 | U | 360 | 69 | |
| 207-08-9 | Benzo(k)fluoranthene | 360 | U | 360 | 65 | |
| 65-85-0 | Benzoic Acid | 1900 | U | 1900 | 650 | |
| 92-52-4 | Biphenyl | 360 | U | 360 | 38 | |
| 108-60-1 | 2,2'-Oxybis(1-chloropropane) | 360 | U | 360 | 44 | |
| 111-91-1 | Bis(2-chloroethoxy)methane | 360 | U | 360 | 50 | |
| 111-44-4 | Bis(2-chloroethyl) Ether | 360 | U | 360 | 37 | |
| 117-81-7 | Bis(2-ethylhexyl) Phthalate | 180 | J | 360 | 50 | |
| 85-68-7 | Butyl Benzyl Phthalate | 360 | U | 360 | 56 | |
| 105-60-2 | Caprolactam | 360 | U | 360 | 66 | |
| 86-74-8 | Carbazole | 360 | U | 360 | 50 | |
| 218-01-9 | Chrysene | 57 | J | 360 | 51 | |
| 84-74-2 | Di-n-butyl Phthalate | 360 | U | 360 | 100 | |
| 117-84-0 | Di-n-octyl Phthalate | 360 | U | 360 | 70 | |
| 53-70-3 | Dibenz(a,h)anthracene | 360 | U | 360 | 98 | |
| 132-64-9 | Dibenzofuran | 360 | U | 360 | 40 | |
| 84-66-2 | Diethyl Phthalate | 360 | U | 360 | 47 | |
| 131-11-3 | Dimethyl Phthalate | 360 | U | 360 | 52 | |
| 206-44-0 | Fluoranthene | 360 | U | 360 | 58 | |
| 86-73-7 | Fluorene | 360 | U | 360 | 46 | |
| 118-74-1 | Hexachlorobenzene | 360 | U | 360 | 55 | |
| 87-68-3 | Hexachlorobutadiene | 360 | U | 360 | 40 | |
| 77-47-4 | Hexachlorocyclopentadiene | 360 | U | 360 | 58 | |
| 67-72-1 | Hexachloroethane | 360 | U | 360 | 50 | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 360 | U | 360 | 60 | |
| 78-59-1 | Isophorone | 360 | U | 360 | 48 | |
| 621-64-7 | N-Nitrosodi-n-propylamine | 360 | U | 360 | 41 | |
| 86-30-6 | N-Nitrosodiphenylamine | 360 | U | 360 | 57 | |
| 91-20-3 | Naphthalene | 360 | U | 360 | 37 | |
| 98-95-3 | Nitrobenzene | 360 | U | 360 | 39 | |
| 608-93-5 | Pentachlorobenzene | 360 | U | 360 | 37 | |
| 82-68-8 | Pentachloronitrobenzene (PCNB) | 360 | U | 360 | 46 | |
| 87-86-5 | Pentachlorophenol (PCP) | 1900 | U | 1900 | 300 | |

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Collected: 9/11/13 1130
 Date Received: 9/16/13
 Date Extracted: 9/18/13
 Date Analyzed: 9/23/13 13:36

Sample Name: TB-15A (24')
 Lab Code: R1306782-001

Units: µg/Kg
 Basis: Dry
 Percent Solids: 91.4

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
 Prep Method: EPA 3541
 Data File Name: I:\ACQU\DATA\5973A\DATA\092313\CT061.D\

Analysis Lot: 359856
 Extraction Lot: 191738
 Instrument Name: R-MS-51
 Dilution Factor: 1

| CAS No. | Analyte Name | Result Q | MRL | MDL | Note |
|----------|--------------|----------|-----|-----|------|
| 85-01-8 | Phenanthrene | 350 J | 360 | 49 | |
| 108-95-2 | Phenol | 360 U | 360 | 40 | |
| 129-00-0 | Pyrene | 360 U | 360 | 70 | |

| Surrogate Name | %Rec | Control Limits | Date Analyzed | Q |
|----------------------|------|----------------|---------------|---|
| 2,4,6-Tribromophenol | 75 | 41-151 | 9/23/13 13:36 | |
| 2-Fluorobiphenyl | 83 | 47-126 | 9/23/13 13:36 | |
| 2-Fluorophenol | 65 | 16-129 | 9/23/13 13:36 | |
| Nitrobenzene-d5 | 80 | 39-136 | 9/23/13 13:36 | |
| Phenol-d6 | 73 | 10-145 | 9/23/13 13:36 | |
| Terphenyl-d14 | 85 | 35-152 | 9/23/13 13:36 | |

Analytical Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-I3
 Sample Matrix: Soil

Service Request: R1306782
 Date Collected: 9/11/13
 Date Received: 9/16/13
 Date Extracted: 9/18/13
 Date Analyzed: 9/23/13 1336

Tentatively Identified Compounds (TIC)
 Semivolatile Organic Compounds by GC/MS

Sample Name: TB-15A (24')
 Lab Code: R1306782-001

Units: µg/Kg
 Basis: Dry
 Percent Solids: 91.4

Prep Method: EPA 3541
 Analytical Method: 8270D

| CAS # | Analyte Name | RT | Result Q |
|-------------|----------------------------------|-------|----------|
| | unknown | 5.84 | 2000 J |
| | unknown | 5.95 | 1900 J |
| | unknown | 6.18 | 1700 J |
| 000493-02-7 | Naphthalene, decahydro-, trans- | 6.86 | 2500 JN |
| | unknown | 7.01 | 3000 J |
| | unknown | 7.20 | 1400 J |
| 002958-76-1 | Naphthalene, decahydro-2-methyl- | 7.34 | 2300 JN |
| | unknown | 7.50 | 1900 J |
| | unknown | 7.81 | 2100 J |
| | unknown | 7.88 | 3200 J |
| | unknown | 8.53 | 5900 J |
| | unknown | 8.59 | 2000 J |
| | unknown | 8.92 | 2600 J |
| | unknown | 9.16 | 2200 J |
| | unknown hydrocarbon | 9.43 | 6000 J |
| | unknown | 10.18 | 6700 J |
| | unknown hydrocarbon | 10.97 | 1500 J |
| | unknown | 11.78 | 3700 J |
| | unknown hydrocarbon | 12.27 | 2500 J |
| | unknown hydrocarbon | 13.12 | 1500 J |

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Collected: 9/13/13 1130
 Date Received: 9/16/13
 Date Extracted: 9/18/13
 Date Analyzed: 9/23/13 14:13

Sample Name: TB-17 (3')
 Lab Code: R1306782-002

Units: µg/Kg
 Basis: Dry
 Percent Solids: 84.8

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
 Prep Method: EPA 3541
 Data File Name: I:\ACQU\DATA\5973A\DATA\092313\CT062.D\

Analysis Lot: 359856
 Extraction Lot: 191738
 Instrument Name: R-MS-51
 Dilution Factor: 3

| CAS No. | Analyte Name | Result | Q | MRL | MDL | Note |
|-----------|---------------------------------|--------|---|------|------|------|
| 95-95-4 | 2,4,5-Trichlorophenol | 1200 | U | 1200 | 210 | |
| 88-06-2 | 2,4,6-Trichlorophenol | 1200 | U | 1200 | 180 | |
| 120-83-2 | 2,4-Dichlorophenol | 1200 | U | 1200 | 160 | |
| 105-67-9 | 2,4-Dimethylphenol | 1200 | U | 1200 | 130 | |
| 51-28-5 | 2,4-Dinitrophenol | 6000 | U | 6000 | 500 | |
| 121-14-2 | 2,4-Dinitrotoluene | 1200 | U | 1200 | 250 | |
| 606-20-2 | 2,6-Dinitrotoluene | 1200 | U | 1200 | 200 | |
| 91-58-7 | 2-Chloronaphthalene | 1200 | U | 1200 | 130 | |
| 95-57-8 | 2-Chlorophenol | 1200 | U | 1200 | 130 | |
| 91-57-6 | 2-Methylnaphthalene | 1200 | U | 1200 | 120 | |
| 95-48-7 | 2-Methylphenol | 1200 | U | 1200 | 160 | |
| 88-74-4 | 2-Nitroaniline | 6000 | U | 6000 | 970 | |
| 88-75-5 | 2-Nitrophenol | 1200 | U | 1200 | 180 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1200 | U | 1200 | 220 | |
| | 3- and 4-Methylphenol Coelution | 1200 | U | 1200 | 180 | |
| 99-09-2 | 3-Nitroaniline | 6000 | U | 6000 | 1100 | |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 6000 | U | 6000 | 1700 | |
| 101-55-3 | 4-Bromophenyl Phenyl Ether | 1200 | U | 1200 | 210 | |
| 59-50-7 | 4-Chloro-3-methylphenol | 1200 | U | 1200 | 130 | |
| 106-47-8 | 4-Chloroaniline | 1200 | U | 1200 | 230 | |
| 7005-72-3 | 4-Chlorophenyl Phenyl Ether | 1200 | U | 1200 | 170 | |
| 100-01-6 | 4-Nitroaniline | 6000 | U | 6000 | 1300 | |
| 100-02-7 | 4-Nitrophenol | 6000 | U | 6000 | 850 | |
| 83-32-9 | Acenaphthene | 1200 | U | 1200 | 170 | |
| 208-96-8 | Acenaphthylene | 1200 | U | 1200 | 160 | |
| 98-86-2 | Acetophenone | 1200 | U | 1200 | 230 | |
| 62-53-3 | Aniline | 1200 | U | 1200 | 190 | |
| 120-12-7 | Anthracene | 1200 | U | 1200 | 190 | |
| 1912-24-9 | Atrazine | 1200 | U | 1200 | 470 | |
| 56-55-3 | Benz(a)anthracene | 260 | J | 1200 | 180 | |
| 100-52-7 | Benzaldehyde | 6000 | U | 6000 | 310 | |
| 50-32-8 | Benzo(a)pyrene | 420 | J | 1200 | 200 | |
| 205-99-2 | Benzo(b)fluoranthene | 360 | J | 1200 | 290 | |

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Collected: 9/13/13 1130
 Date Received: 9/16/13
 Date Extracted: 9/18/13
 Date Analyzed: 9/23/13 14:13

Sample Name: TB-17 (3')
 Lab Code: R1306782-002

Units: µg/Kg
 Basis: Dry
 Percent Solids: 84.8

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDATA\5973A\DATA\092313\CT062.D\

Analysis Lot: 359856
 Extraction Lot: 191738
 Instrument Name: R-MS-51
 Dilution Factor: 3

| CAS No. | Analyte Name | Result Q | MRL | MDL | Note |
|----------|--------------------------------|----------|------|------|------|
| 191-24-2 | Benzo(g,h,i)perylene | 360 J | 1200 | 230 | |
| 207-08-9 | Benzo(k)fluoranthene | 350 J | 1200 | 210 | |
| 65-85-0 | Benzoic Acid | 6000 U | 6000 | 2100 | |
| 92-52-4 | Biphenyl | 1200 U | 1200 | 120 | |
| 108-60-1 | 2,2'-Oxybis(1-chloropropane) | 1200 U | 1200 | 150 | |
| 111-91-1 | Bis(2-chloroethoxy)methane | 1200 U | 1200 | 170 | |
| 111-44-4 | Bis(2-chloroethyl) Ether | 1200 U | 1200 | 120 | |
| 117-81-7 | Bis(2-ethylhexyl) Phthalate | 1200 U | 1200 | 170 | |
| 85-68-7 | Butyl Benzyl Phthalate | 1200 U | 1200 | 180 | |
| 105-60-2 | Caprolactam | 1200 U | 1200 | 220 | |
| 86-74-8 | Carbazole | 1200 U | 1200 | 170 | |
| 218-01-9 | Chrysene | 290 J | 1200 | 170 | |
| 84-74-2 | Di-n-butyl Phthalate | 420 J | 1200 | 330 | |
| 117-84-0 | Di-n-octyl Phthalate | 1200 U | 1200 | 230 | |
| 53-70-3 | Dibenz(a,h)anthracene | 1200 U | 1200 | 320 | |
| 132-64-9 | Dibenzofuran | 1200 U | 1200 | 130 | |
| 84-66-2 | Diethyl Phthalate | 1200 U | 1200 | 160 | |
| 131-11-3 | Dimethyl Phthalate | 1200 U | 1200 | 170 | |
| 206-44-0 | Fluoranthene | 450 J | 1200 | 190 | |
| 86-73-7 | Fluorene | 1200 U | 1200 | 150 | |
| 118-74-1 | Hexachlorobenzene | 1200 U | 1200 | 180 | |
| 87-68-3 | Hexachlorobutadiene | 1200 U | 1200 | 130 | |
| 77-47-4 | Hexachlorocyclopentadiene | 1200 U | 1200 | 190 | |
| 67-72-1 | Hexachloroethane | 1200 U | 1200 | 170 | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 300 J | 1200 | 200 | |
| 78-59-1 | Isophorone | 1200 U | 1200 | 160 | |
| 621-64-7 | N-Nitrosodi-n-propylamine | 1200 U | 1200 | 140 | |
| 86-30-6 | N-Nitrosodiphenylamine | 1200 U | 1200 | 190 | |
| 91-20-3 | Naphthalene | 1200 U | 1200 | 120 | |
| 98-95-3 | Nitrobenzene | 1200 U | 1200 | 130 | |
| 608-93-5 | Pentachlorobenzene | 1200 U | 1200 | 120 | |
| 82-68-8 | Pentachloronitrobenzene (PCNB) | 1200 U | 1200 | 150 | |
| 87-86-5 | Pentachlorophenol (PCP) | 6000 U | 6000 | 970 | |

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Collected: 9/13/13 1130
 Date Received: 9/16/13
 Date Extracted: 9/18/13
 Date Analyzed: 9/23/13 14:13

Sample Name: TB-17 (3')
 Lab Code: R1306782-002

Units: µg/Kg
 Basis: Dry
 Percent Solids: 84.8

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDATA\5973A\DATA\092313\CT062.D\

Analysis Lot: 359856
 Extraction Lot: 191738
 Instrument Name: R-MS-51
 Dilution Factor: 3

| CAS No. | Analyte Name | Result | Q | MRL | MDL | Note |
|----------|--------------|--------|---|------|-----|------|
| 85-01-8 | Phenanthrene | 240 | J | 1200 | 160 | |
| 108-95-2 | Phenol | 1200 | U | 1200 | 130 | |
| 129-00-0 | Pyrene | 400 | J | 1200 | 230 | |

| Surrogate Name | %Rec | Control Limits | Date Analyzed | Q |
|----------------------|------|----------------|---------------|---|
| 2,4,6-Tribromophenol | 62 | 41-151 | 9/23/13 14:13 | |
| 2-Fluorobiphenyl | 66 | 47-126 | 9/23/13 14:13 | |
| 2-Fluorophenol | 47 | 16-129 | 9/23/13 14:13 | |
| Nitrobenzene-d5 | 57 | 39-136 | 9/23/13 14:13 | |
| Phenol-d6 | 56 | 10-145 | 9/23/13 14:13 | |
| Terphenyl-d14 | 82 | 35-152 | 9/23/13 14:13 | |

Analytical Report

Client: Day Environmental, Incorporated
Project: Olean/48845-13
Sample Matrix: Soil

Service Request: R1306782
Date Collected: 9/13/13
Date Received: 9/16/13
Date Extracted: 9/18/13
Date Analyzed: 9/23/13 1413

**Tentatively Identified Compounds (TIC)
Semivolatile Organic Compounds by GC/MS**

Sample Name: TB-17 (3')
Lab Code: R1306782-002

Units: µg/Kg
Basis: Dry
Percent Solids: 84.8

Prep Method: EPA 3541
Analytical Method: 8270D

| CAS # | Analyte Name | RT | Result | Q |
|-------|--------------|----|--------|---|
|-------|--------------|----|--------|---|

No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Collected: 9/12/13 1015
 Date Received: 9/16/13
 Date Extracted: 9/18/13
 Date Analyzed: 9/23/13 14:50

Sample Name: TB-12 (30')
 Lab Code: R1306782-003

Units: µg/Kg
 Basis: Dry
 Percent Solids: 90.1

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDATA\5973A\DATA\092313\CT063.D\

Analysis Lot: 359856
 Extraction Lot: 191738
 Instrument Name: R-MS-51
 Dilution Factor: 1

| CAS No. | Analyte Name | Result | Q | MRL | MDL | Note |
|-----------|---------------------------------|--------|---|------|-----|------|
| 95-95-4 | 2,4,5-Trichlorophenol | 370 | U | 370 | 64 | |
| 88-06-2 | 2,4,6-Trichlorophenol | 370 | U | 370 | 54 | |
| 120-83-2 | 2,4-Dichlorophenol | 370 | U | 370 | 49 | |
| 105-67-9 | 2,4-Dimethylphenol | 370 | U | 370 | 41 | |
| 51-28-5 | 2,4-Dinitrophenol | 1900 | U | 1900 | 160 | |
| 121-14-2 | 2,4-Dinitrotoluene | 370 | U | 370 | 79 | |
| 606-20-2 | 2,6-Dinitrotoluene | 370 | U | 370 | 61 | |
| 91-58-7 | 2-Chloronaphthalene | 370 | U | 370 | 39 | |
| 95-57-8 | 2-Chlorophenol | 370 | U | 370 | 39 | |
| 91-57-6 | 2-Methylnaphthalene | 370 | U | 370 | 37 | |
| 95-48-7 | 2-Methylphenol | 370 | U | 370 | 48 | |
| 88-74-4 | 2-Nitroaniline | 1900 | U | 1900 | 310 | |
| 88-75-5 | 2-Nitrophenol | 370 | U | 370 | 55 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 370 | U | 370 | 67 | |
| | 3- and 4-Methylphenol Coelution | 370 | U | 370 | 56 | |
| 99-09-2 | 3-Nitroaniline | 1900 | U | 1900 | 340 | |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1900 | U | 1900 | 540 | |
| 101-55-3 | 4-Bromophenyl Phenyl Ether | 370 | U | 370 | 66 | |
| 59-50-7 | 4-Chloro-3-methylphenol | 370 | U | 370 | 41 | |
| 106-47-8 | 4-Chloroaniline | 370 | U | 370 | 71 | |
| 7005-72-3 | 4-Chlorophenyl Phenyl Ether | 370 | U | 370 | 52 | |
| 100-01-6 | 4-Nitroaniline | 1900 | U | 1900 | 400 | |
| 100-02-7 | 4-Nitrophenol | 1900 | U | 1900 | 270 | |
| 83-32-9 | Acenaphthene | 370 | U | 370 | 53 | |
| 208-96-8 | Acenaphthylene | 370 | U | 370 | 49 | |
| 98-86-2 | Acetophenone | 370 | U | 370 | 72 | |
| 62-53-3 | Aniline | 370 | U | 370 | 57 | |
| 120-12-7 | Anthracene | 370 | U | 370 | 58 | |
| 1912-24-9 | Atrazine | 370 | U | 370 | 150 | |
| 56-55-3 | Benz(a)anthracene | 370 | U | 370 | 57 | |
| 100-52-7 | Benzaldehyde | 1900 | U | 1900 | 96 | |
| 50-32-8 | Benzo(a)pyrene | 370 | U | 370 | 61 | |
| 205-99-2 | Benzo(b)fluoranthene | 370 | U | 370 | 89 | |

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Collected: 9/12/13 1015
 Date Received: 9/16/13
 Date Extracted: 9/18/13
 Date Analyzed: 9/23/13 14:50

Sample Name: TB-12 (30')
 Lab Code: R1306782-003

Units: µg/Kg
 Basis: Dry
 Percent Solids: 90.1

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDATA\5973A\DATA\092313\CT063.D\

Analysis Lot: 359856
 Extraction Lot: 191738
 Instrument Name: R-MS-51
 Dilution Factor: 1

| CAS No. | Analyte Name | Result | Q | MRL | MDL | Note |
|----------|--------------------------------|--------|---|------|-----|------|
| 191-24-2 | Benzo(g,h,i)perylene | 370 | U | 370 | 70 | |
| 207-08-9 | Benzo(k)fluoranthene | 370 | U | 370 | 66 | |
| 65-85-0 | Benzoic Acid | 1900 | U | 1900 | 660 | |
| 92-52-4 | Biphenyl | 370 | U | 370 | 38 | |
| 108-60-1 | 2,2'-Oxybis(1-chloropropane) | 370 | U | 370 | 44 | |
| 111-91-1 | Bis(2-chloroethoxy)methane | 370 | U | 370 | 51 | |
| 111-44-4 | Bis(2-chloroethyl) Ether | 370 | U | 370 | 37 | |
| 117-81-7 | Bis(2-ethylhexyl) Phthalate | 80 | J | 370 | 51 | |
| 85-68-7 | Butyl Benzyl Phthalate | 370 | U | 370 | 56 | |
| 105-60-2 | Caprolactam | 370 | U | 370 | 67 | |
| 86-74-8 | Carbazole | 370 | U | 370 | 51 | |
| 218-01-9 | Chrysene | 370 | U | 370 | 52 | |
| 84-74-2 | Di-n-butyl Phthalate | 370 | U | 370 | 110 | |
| 117-84-0 | Di-n-octyl Phthalate | 370 | U | 370 | 71 | |
| 53-70-3 | Dibenz(a,h)anthracene | 370 | U | 370 | 99 | |
| 132-64-9 | Dibenzofuran | 370 | U | 370 | 41 | |
| 84-66-2 | Diethyl Phthalate | 370 | U | 370 | 48 | |
| 131-11-3 | Dimethyl Phthalate | 370 | U | 370 | 53 | |
| 206-44-0 | Fluoranthene | 370 | U | 370 | 59 | |
| 86-73-7 | Fluorene | 370 | U | 370 | 46 | |
| 118-74-1 | Hexachlorobenzene | 370 | U | 370 | 56 | |
| 87-68-3 | Hexachlorobutadiene | 370 | U | 370 | 41 | |
| 77-47-4 | Hexachlorocyclopentadiene | 370 | U | 370 | 59 | |
| 67-72-1 | Hexachloroethane | 370 | U | 370 | 51 | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 370 | U | 370 | 61 | |
| 78-59-1 | Isophorone | 370 | U | 370 | 49 | |
| 621-64-7 | N-Nitrosodi-n-propylamine | 370 | U | 370 | 42 | |
| 86-30-6 | N-Nitrosodiphenylamine | 370 | U | 370 | 57 | |
| 91-20-3 | Naphthalene | 370 | U | 370 | 37 | |
| 98-95-3 | Nitrobenzene | 370 | U | 370 | 39 | |
| 608-93-5 | Pentachlorobenzene | 370 | U | 370 | 38 | |
| 82-68-8 | Pentachloronitrobenzene (PCNB) | 370 | U | 370 | 47 | |
| 87-86-5 | Pentachlorophenol (PCP) | 1900 | U | 1900 | 310 | |

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Collected: 9/12/13 1015
 Date Received: 9/16/13
 Date Extracted: 9/18/13
 Date Analyzed: 9/23/13 14:50

Sample Name: TB-12 (30')
 Lab Code: R1306782-003

Units: µg/Kg
 Basis: Dry
 Percent Solids: 90.1

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDATA\5973A\DATA\092313\CT063.D\

Analysis Lot: 359856
 Extraction Lot: 191738
 Instrument Name: R-MS-51
 Dilution Factor: 1

| CAS No. | Analyte Name | Result | Q | MRL | MDL | Note |
|----------|--------------|--------|---|-----|-----|------|
| 85-01-8 | Phenanthrene | 370 | U | 370 | 50 | |
| 108-95-2 | Phenol | 370 | U | 370 | 41 | |
| 129-00-0 | Pyrene | 370 | U | 370 | 71 | |

| Surrogate Name | %Rec | Control Limits | Date Analyzed | Q |
|----------------------|------|----------------|---------------|---|
| 2,4,6-Tribromophenol | 79 | 41-151 | 9/23/13 14:50 | |
| 2-Fluorobiphenyl | 79 | 47-126 | 9/23/13 14:50 | |
| 2-Fluorophenol | 68 | 16-129 | 9/23/13 14:50 | |
| Nitrobenzene-d5 | 74 | 39-136 | 9/23/13 14:50 | |
| Phenol-d6 | 74 | 10-145 | 9/23/13 14:50 | |
| Terphenyl-d14 | 70 | 35-152 | 9/23/13 14:50 | |

Analytical Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Collected: 9/12/13
 Date Received: 9/16/13
 Date Extracted: 9/18/13
 Date Analyzed: 9/23/13 1450

Tentatively Identified Compounds (TIC)
 Semivolatile Organic Compounds by GC/MS

Sample Name: TB-12 (30')
 Lab Code: R1306782-003

Units: µg/Kg
 Basis: Dry
 Percent Solids: 90.1

Prep Method: EPA 3541
 Analytical Method: 8270D

| CAS # | Analyte Name | RT | Result Q |
|-------------|----------------------------------|------|----------|
| | unknown | 5.36 | 370 J |
| | unknown | 5.44 | 690 J |
| | unknown | 5.59 | 320 J |
| | unknown | 5.76 | 450 J |
| | unknown | 5.96 | 1400 J |
| | unknown | 6.19 | 1800 J |
| | unknown | 6.28 | 1000 J |
| | unknown | 6.34 | 540 J |
| | unknown | 6.53 | 990 J |
| | unknown | 6.73 | 640 J |
| | unknown | 6.85 | 880 J |
| | unknown | 6.90 | 670 J |
| | unknown | 6.97 | 420 J |
| | unknown | 7.02 | 1100 J |
| | unknown | 7.25 | 350 J |
| | unknown | 7.29 | 630 J |
| 002958-76-1 | Naphthalene, decahydro-2-methyl- | 7.34 | 870 JN |
| | unknown | 7.73 | 350 J |
| | unknown | 7.81 | 590 J |
| | unknown | 8.91 | 380 J |

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Collected: NA
 Date Received: NA
 Date Extracted: 9/18/13
 Date Analyzed: 9/23/13 11:43

Sample Name: Method Blank
 Lab Code: RQ1311212-01

Units: µg/Kg
 Basis: Dry

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDATA\5973A\DATA\092313\CT058.D\

Analysis Lot: 359856
 Extraction Lot: 191738
 Instrument Name: R-MS-51
 Dilution Factor: 1

| CAS No. | Analyte Name | Result | Q | MRL | MDL | Note |
|-----------|---------------------------------|--------|---|------|-----|------|
| 95-95-4 | 2,4,5-Trichlorophenol | 330 | U | 330 | 58 | |
| 88-06-2 | 2,4,6-Trichlorophenol | 330 | U | 330 | 49 | |
| 120-83-2 | 2,4-Dichlorophenol | 330 | U | 330 | 44 | |
| 105-67-9 | 2,4-Dimethylphenol | 330 | U | 330 | 37 | |
| 51-28-5 | 2,4-Dinitrophenol | 1700 | U | 1700 | 140 | |
| 121-14-2 | 2,4-Dinitrotoluene | 330 | U | 330 | 71 | |
| 606-20-2 | 2,6-Dinitrotoluene | 330 | U | 330 | 55 | |
| 91-58-7 | 2-Chloronaphthalene | 330 | U | 330 | 35 | |
| 95-57-8 | 2-Chlorophenol | 330 | U | 330 | 35 | |
| 91-57-6 | 2-Methylnaphthalene | 330 | U | 330 | 33 | |
| 95-48-7 | 2-Methylphenol | 330 | U | 330 | 43 | |
| 88-74-4 | 2-Nitroaniline | 1700 | U | 1700 | 280 | |
| 88-75-5 | 2-Nitrophenol | 330 | U | 330 | 49 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 330 | U | 330 | 60 | |
| | 3- and 4-Methylphenol Coelution | 330 | U | 330 | 50 | |
| 99-09-2 | 3-Nitroaniline | 1700 | U | 1700 | 310 | |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1700 | U | 1700 | 480 | |
| 101-55-3 | 4-Bromophenyl Phenyl Ether | 330 | U | 330 | 59 | |
| 59-50-7 | 4-Chloro-3-methylphenol | 330 | U | 330 | 37 | |
| 106-47-8 | 4-Chloroaniline | 330 | U | 330 | 64 | |
| 7005-72-3 | 4-Chlorophenyl Phenyl Ether | 330 | U | 330 | 47 | |
| 100-01-6 | 4-Nitroaniline | 1700 | U | 1700 | 360 | |
| 100-02-7 | 4-Nitrophenol | 1700 | U | 1700 | 240 | |
| 83-32-9 | Acenaphthene | 330 | U | 330 | 48 | |
| 208-96-8 | Acenaphthylene | 330 | U | 330 | 44 | |
| 98-86-2 | Acetophenone | 330 | U | 330 | 65 | |
| 62-53-3 | Aniline | 330 | U | 330 | 51 | |
| 120-12-7 | Anthracene | 330 | U | 330 | 52 | |
| 1912-24-9 | Atrazine | 330 | U | 330 | 140 | |
| 56-55-3 | Benz(a)anthracene | 330 | U | 330 | 51 | |
| 100-52-7 | Benzaldehyde | 1700 | U | 1700 | 87 | |
| 50-32-8 | Benzo(a)pyrene | 330 | U | 330 | 55 | |
| 205-99-2 | Benzo(b)fluoranthene | 330 | U | 330 | 80 | |

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Collected: NA
 Date Received: NA
 Date Extracted: 9/18/13
 Date Analyzed: 9/23/13 11:43

Sample Name: Method Blank
 Lab Code: RQ1311212-01

Units: µg/Kg
 Basis: Dry

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
 Prep Method: EPA 3541
 Data File Name: I:\ACQU\DATA\5973A\DATA\092313\CT058.D\

Analysis Lot: 359856
 Extraction Lot: 191738
 Instrument Name: R-MS-51
 Dilution Factor: 1

| CAS No. | Analyte Name | Result | Q | MRL | MDL | Note |
|----------|--------------------------------|--------|---|------|-----|------|
| 191-24-2 | Benzo(g,h,i)perylene | 330 | U | 330 | 63 | |
| 207-08-9 | Benzo(k)fluoranthene | 330 | U | 330 | 59 | |
| 65-85-0 | Benzoic Acid | 1700 | U | 1700 | 600 | |
| 92-52-4 | Biphenyl | 330 | U | 330 | 34 | |
| 108-60-1 | 2,2'-Oxybis(1-chloropropane) | 330 | U | 330 | 40 | |
| 111-91-1 | Bis(2-chloroethoxy)methane | 330 | U | 330 | 46 | |
| 111-44-4 | Bis(2-chloroethyl) Ether | 330 | U | 330 | 33 | |
| 117-81-7 | Bis(2-ethylhexyl) Phthalate | 330 | U | 330 | 46 | |
| 85-68-7 | Butyl Benzyl Phthalate | 330 | U | 330 | 51 | |
| 105-60-2 | Caprolactam | 330 | U | 330 | 61 | |
| 86-74-8 | Carbazole | 330 | U | 330 | 46 | |
| 218-01-9 | Chrysene | 330 | U | 330 | 47 | |
| 84-74-2 | Di-n-butyl Phthalate | 330 | U | 330 | 91 | |
| 117-84-0 | Di-n-octyl Phthalate | 330 | U | 330 | 64 | |
| 53-70-3 | Dibenz(a,h)anthracene | 330 | U | 330 | 89 | |
| 132-64-9 | Dibenzofuran | 330 | U | 330 | 37 | |
| 84-66-2 | Diethyl Phthalate | 330 | U | 330 | 43 | |
| 131-11-3 | Dimethyl Phthalate | 330 | U | 330 | 48 | |
| 206-44-0 | Fluoranthene | 330 | U | 330 | 53 | |
| 86-73-7 | Fluorene | 330 | U | 330 | 42 | |
| 118-74-1 | Hexachlorobenzene | 330 | U | 330 | 51 | |
| 87-68-3 | Hexachlorobutadiene | 330 | U | 330 | 37 | |
| 77-47-4 | Hexachlorocyclopentadiene | 330 | U | 330 | 53 | |
| 67-72-1 | Hexachloroethane | 330 | U | 330 | 46 | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 330 | U | 330 | 55 | |
| 78-59-1 | Isophorone | 330 | U | 330 | 44 | |
| 621-64-7 | N-Nitrosodi-n-propylamine | 330 | U | 330 | 38 | |
| 86-30-6 | N-Nitrosodiphenylamine | 330 | U | 330 | 52 | |
| 91-20-3 | Naphthalene | 330 | U | 330 | 33 | |
| 98-95-3 | Nitrobenzene | 330 | U | 330 | 35 | |
| 608-93-5 | Pentachlorobenzene | 330 | U | 330 | 34 | |
| 82-68-8 | Pentachloronitrobenzene (PCNB) | 330 | U | 330 | 42 | |
| 87-86-5 | Pentachlorophenol (PCP) | 1700 | U | 1700 | 280 | |

Analytical Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Collected: NA
 Date Received: NA
 Date Extracted: 9/18/13
 Date Analyzed: 9/23/13 11:43

Sample Name: Method Blank
 Lab Code: RQ1311212-01

Units: µg/Kg
 Basis: Dry

Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
 Prep Method: EPA 3541
 Data File Name: I:\ACQU\DATA\5973A\DATA\092313\CT058.D\

Analysis Lot: 359856
 Extraction Lot: 191738
 Instrument Name: R-MS-51
 Dilution Factor: 1

| CAS No. | Analyte Name | Result | Q | MRL | MDL | Note |
|----------|--------------|--------|---|-----|-----|------|
| 85-01-8 | Phenanthrene | 330 | U | 330 | 45 | |
| 108-95-2 | Phenol | 330 | U | 330 | 37 | |
| 129-00-0 | Pyrene | 330 | U | 330 | 64 | |

| Surrogate Name | %Rec | Control Limits | Date Analyzed | Q |
|----------------------|------|----------------|---------------|---|
| 2,4,6-Tribromophenol | 72 | 41-151 | 9/23/13 11:43 | |
| 2-Fluorobiphenyl | 64 | 47-126 | 9/23/13 11:43 | |
| 2-Fluorophenol | 56 | 16-129 | 9/23/13 11:43 | |
| Nitrobenzene-d5 | 57 | 39-136 | 9/23/13 11:43 | |
| Phenol-d6 | 63 | 10-145 | 9/23/13 11:43 | |
| Terphenyl-d14 | 82 | 35-152 | 9/23/13 11:43 | |

Analytical Report

Client: Day Environmental, Incorporated
Project: Olean/48845-13
Sample Matrix: Soil

Service Request: R1306782
Date Collected: NA
Date Received: NA
Date Extracted: 9/18/13
Date Analyzed: 9/23/13 1143

**Tentatively Identified Compounds (TIC)
Semivolatile Organic Compounds by GC/MS**

Sample Name: Method Blank
Lab Code: RQ1311212-01

Units: µg/Kg
Basis: Dry

Prep Method: EPA 3541
Analytical Method: 8270D

| CAS # | Analyte Name | RT | Result | Q |
|-------|--------------|----|--------|---|
|-------|--------------|----|--------|---|

No Tentatively Identified Compounds Detected.

Comments: _____

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Analyzed: 9/23/13

Lab Control Sample Summary
 Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
 Prep Method: EPA 3541

Units: µg/Kg
 Basis: Dry

Extraction Lot: 191738

| Analyte Name | Lab Control Sample RQ1311212-02 | | | Duplicate Lab Control Sample RQ1311212-03 | | | % Rec Limits | RPD | RPD Limit |
|---------------------------------|------------------------------------|-----------------|-------|--|-----------------|-------|-----------------|-----|--------------|
| | Result | Spike Amount | % Rec | Result | Spike Amount | % Rec | | | |
| 2,4,5-Trichlorophenol | 2480 | 3330 | 75 | 2620 | 3330 | 79 | 47 - 131 | 5 | 30 |
| 2,4,6-Trichlorophenol | 2530 | 3330 | 76 | 2680 | 3330 | 80 | 46 - 136 | 5 | 30 |
| 2,4-Dichlorophenol | 2540 | 3330 | 76 | 2600 | 3330 | 78 | 39 - 135 | 2 | 30 |
| 2,4-Dimethylphenol | 2140 | 3330 | 64 | 2250 | 3330 | 67 | 31 - 135 | 5 | 30 |
| 2,4-Dinitrophenol | 2090 | 3330 | 63 | 2730 | 3330 | 82 | 10 - 148 | 26 | 30 |
| 2,4-Dinitrotoluene | 2730 | 3330 | 82 | 2930 | 3330 | 88 | 45 - 152 | 7 | 30 |
| 2,6-Dinitrotoluene | 2660 | 3330 | 80 | 2790 | 3330 | 84 | 50 - 146 | 5 | 30 |
| 2-Chloronaphthalene | 2370 | 3330 | 71 | 2530 | 3330 | 76 | 41 - 124 | 7 | 30 |
| 2-Chlorophenol | 2420 | 3330 | 72 | 2610 | 3330 | 78 | 39 - 123 | 8 | 30 |
| 2-Methylnaphthalene | 2370 | 3330 | 71 | 2390 | 3330 | 72 | 33 - 125 | 1 | 30 |
| 2-Methylphenol | 2440 | 3330 | 73 | 2610 | 3330 | 78 | 38 - 123 | 7 | 30 |
| 2-Nitroaniline | 2530 | 3330 | 76 | 2680 | 3330 | 81 | 44 - 139 | 6 | 30 |
| 2-Nitrophenol | 2590 | 3330 | 78 | 2680 | 3330 | 80 | 47 - 128 | 3 | 30 |
| 3,3'-Dichlorobenzidine | 2010 | 3330 | 60 | 2210 | 3330 | 66 | 19 - 111 | 9 | 30 |
| 3- and 4-Methylphenol Coelution | 4710 | 6670 | 71 | 5040 | 6670 | 76 | 42 - 114 | 7 | 30 |
| 3-Nitroaniline | 2270 | 3330 | 68 | 2430 | 3330 | 73 | 43 - 106 | 7 | 30 |
| 4,6-Dinitro-2-methylphenol | 2500 | 3330 | 75 | 2800 | 3330 | 84 | 29 - 141 | 12 | 30 |
| 4-Bromophenyl Phenyl Ether | 2440 | 3330 | 73 | 2590 | 3330 | 78 | 45 - 137 | 6 | 30 |
| 4-Chloro-3-methylphenol | 2550 | 3330 | 76 | 2670 | 3330 | 80 | 42 - 140 | 4 | 30 |
| 4-Chloroaniline | 2370 | 3330 | 71 | 2450 | 3330 | 73 | 34 - 101 | 3 | 30 |
| 4-Chlorophenyl Phenyl Ether | 2500 | 3330 | 75 | 2620 | 3330 | 79 | 47 - 132 | 5 | 30 |
| 4-Nitroaniline | 2310 | 3330 | 69 | 2490 | 3330 | 75 | 34 - 131 | 8 | 30 |
| 4-Nitrophenol | 2170 | 3330 | 65 | 2610 | 3330 | 78 | 10 - 130 | 18 | 30 |
| Acenaphthene | 2450 | 3330 | 73 | 2600 | 3330 | 78 | 43 - 133 | 6 | 30 |
| Acenaphthylene | 2450 | 3330 | 74 | 2550 | 3330 | 76 | 45 - 133 | 4 | 30 |
| Acetophenone | 2490 | 3330 | 75 | 2580 | 3330 | 78 | 44 - 114 | 4 | 30 |
| Aniline | 2190 | 3330 | 66 | 2420 | 3330 | 73 | 18 - 108 | 10 | 30 |
| Anthracene | 2430 | 3330 | 73 | 2510 | 3330 | 75 | 48 - 129 | 3 | 30 |
| Atrazine | 2920 | 3330 | 87 | 3090 | 3330 | 93 | 39 - 151 | 6 | 30 |
| Benz(a)anthracene | 2430 | 3330 | 73 | 2550 | 3330 | 76 | 48 - 129 | 5 | 30 |
| Benzaldehyde | 3860 | 3330 | 116 | 4200 | 3330 | 126 | 62 - 200 | 8 | 30 |
| Benzo(a)pyrene | 2480 | 3330 | 74 | 2630 | 3330 | 79 | 45 - 125 | 6 | 30 |
| Benzo(b)fluoranthene | 2620 | 3330 | 79 | 2850 | 3330 | 85 | 45 - 136 | 8 | 30 |

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

00041

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Analyzed: 9/23/13

Lab Control Sample Summary
 Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
 Prep Method: EPA 3541

Units: µg/Kg
 Basis: Dry

Extraction Lot: 191738

| Analyte Name | Lab Control Sample RQ1311212-02 | | | Duplicate Lab Control Sample RQ1311212-03 | | | % Rec Limits | RPD | RPD Limit |
|------------------------------|------------------------------------|-----------------|-------|--|-----------------|-------|-----------------|-----|--------------|
| | Result | Spike Amount | % Rec | Result | Spike Amount | % Rec | | | |
| Benzo(g,h,i)perylene | 2540 | 3330 | 76 | 2720 | 3330 | 82 | 51 - 131 | 7 | 30 |
| Benzo(k)fluoranthene | 2680 | 3330 | 80 | 2800 | 3330 | 84 | 43 - 131 | 4 | 30 |
| Benzoic Acid | 1700 U | 3330 | 0 * | 977 | 3330 | 29 | 10 - 92 | NC | 30 |
| Biphenyl | 2490 | 3330 | 75 | 2580 | 3330 | 77 | 35 - 131 | 4 | 30 |
| 2,2'-Oxybis(1-chloropropane) | 2700 | 3330 | 81 | 2810 | 3330 | 84 | 38 - 138 | 4 | 30 |
| Bis(2-chloroethoxy)methane | 2490 | 3330 | 75 | 2510 | 3330 | 75 | 48 - 123 | <1 | 30 |
| Bis(2-chloroethyl) Ether | 2360 | 3330 | 71 | 2360 | 3330 | 71 | 44 - 111 | <1 | 30 |
| Bis(2-ethylhexyl) Phthalate | 2670 | 3330 | 80 | 2830 | 3330 | 85 | 50 - 142 | 6 | 30 |
| Butyl Benzyl Phthalate | 2610 | 3330 | 78 | 2740 | 3330 | 82 | 46 - 137 | 5 | 30 |
| Caprolactam | 2420 | 3330 | 72 | 2650 | 3330 | 79 | 42 - 112 | 9 | 30 |
| Carbazole | 2420 | 3330 | 73 | 2560 | 3330 | 77 | 40 - 140 | 6 | 30 |
| Chrysene | 2400 | 3330 | 72 | 2520 | 3330 | 76 | 48 - 128 | 5 | 30 |
| Di-n-butyl Phthalate | 2590 | 3330 | 78 | 2680 | 3330 | 81 | 36 - 164 | 4 | 30 |
| Di-n-octyl Phthalate | 2940 | 3330 | 88 | 3110 | 3330 | 93 | 48 - 137 | 6 | 30 |
| Dibenz(a,h)anthracene | 2450 | 3330 | 74 | 2610 | 3330 | 78 | 50 - 135 | 6 | 30 |
| Dibenzofuran | 2410 | 3330 | 72 | 2530 | 3330 | 76 | 45 - 126 | 5 | 30 |
| Diethyl Phthalate | 2540 | 3330 | 76 | 2650 | 3330 | 80 | 46 - 141 | 5 | 30 |
| Dimethyl Phthalate | 2550 | 3330 | 76 | 2670 | 3330 | 80 | 48 - 139 | 5 | 30 |
| Fluoranthene | 2420 | 3330 | 73 | 2500 | 3330 | 75 | 46 - 138 | 4 | 30 |
| Fluorene | 2480 | 3330 | 74 | 2600 | 3330 | 78 | 46 - 134 | 5 | 30 |
| Hexachlorobenzene | 2420 | 3330 | 72 | 2530 | 3330 | 76 | 41 - 138 | 5 | 30 |
| Hexachlorobutadiene | 2140 | 3330 | 64 | 2190 | 3330 | 66 | 10 - 142 | 2 | 30 |
| Hexachlorocyclopentadiene | 2370 | 3330 | 71 | 2490 | 3330 | 75 | 10 - 133 | 5 | 30 |
| Hexachloroethane | 2110 | 3330 | 63 | 2140 | 3330 | 64 | 10 - 129 | 2 | 30 |
| Indeno(1,2,3-cd)pyrene | 2500 | 3330 | 75 | 2650 | 3330 | 79 | 48 - 128 | 6 | 30 |
| Isophorone | 2380 | 3330 | 71 | 2420 | 3330 | 72 | 44 - 122 | 2 | 30 |
| N-Nitrosodi-n-propylamine | 2470 | 3330 | 74 | 2560 | 3330 | 77 | 44 - 126 | 4 | 30 |
| N-Nitrosodiphenylamine | 2560 | 3330 | 77 | 2690 | 3330 | 81 | 43 - 156 | 5 | 30 |
| Naphthalene | 2310 | 3330 | 69 | 2330 | 3330 | 70 | 31 - 123 | <1 | 30 |
| Nitrobenzene | 2380 | 3330 | 71 | 2420 | 3330 | 73 | 35 - 134 | 2 | 30 |
| Pentachlorophenol (PCP) | 2140 | 3330 | 64 | 2460 | 3330 | 74 | 17 - 150 | 14 | 30 |
| Phenanthrene | 2500 | 3330 | 75 | 2590 | 3330 | 78 | 45 - 140 | 4 | 30 |

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Analyzed: 9/23/13

Lab Control Sample Summary
 Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
 Prep Method: EPA 3541

Units: µg/Kg
 Basis: Dry

Extraction Lot: 191738

| Analyte Name | Lab Control Sample RQ1311212-02 | | | Duplicate Lab Control Sample RQ1311212-03 | | | % Rec Limits | RPD | RPD Limit |
|--------------|------------------------------------|-----------------|-------|--|-----------------|-------|-----------------|-----|--------------|
| | Result | Spike Amount | % Rec | Result | Spike Amount | % Rec | | | |
| Phenol | 2300 | 3330 | 69 | 2480 | 3330 | 74 | 10 - 144 | 7 | 30 |
| Pyrene | 2560 | 3330 | 77 | 2690 | 3330 | 81 | 45 - 132 | 5 | 30 |

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

00043

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Collected: 9/11/13 1130
 Date Received: 9/16/13
 Date Extracted: 9/20/13
 Date Analyzed: 9/24/13 11:20

Sample Name: TB-15A (24')
 Lab Code: R1306782-001

Units: µg/Kg
 Basis: Dry
 Percent Solids: 91.4

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDATA\GCEXT4\DATA\092413\NM771.D\

Analysis Lot: 360033
 Extraction Lot: 192209
 Instrument Name: R-GC-56
 Dilution Factor: 1

| CAS No. | Analyte Name | Result | Q | MRL | MDL | Note |
|------------|--------------|--------|---|-----|-----|------|
| 12674-11-2 | Aroclor 1016 | 36 | U | 36 | 19 | |
| 11104-28-2 | Aroclor 1221 | 73 | U | 73 | 38 | |
| 11141-16-5 | Aroclor 1232 | 36 | U | 36 | 19 | |
| 53469-21-9 | Aroclor 1242 | 36 | U | 36 | 19 | |
| 12672-29-6 | Aroclor 1248 | 36 | U | 36 | 19 | |
| 11097-69-1 | Aroclor 1254 | 36 | U | 36 | 21 | |
| 11096-82-5 | Aroclor 1260 | 36 | U | 36 | 19 | |

| Surrogate Name | %Rec | Control Limits | Date Analyzed | Q |
|----------------------|------|----------------|---------------|---|
| Decachlorobiphenyl | 57 | 22-150 | 9/24/13 11:20 | |
| Tetrachloro-m-xylene | 33 | 10-126 | 9/24/13 11:20 | |

Analytical Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Collected: NA
 Date Received: NA
 Date Extracted: 9/20/13
 Date Analyzed: 9/24/13 09:36

Sample Name: Method Blank
 Lab Code: RQ1311372-01

Units: µg/Kg
 Basis: Dry

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
 Prep Method: EPA 3541
 Data File Name: I:\ACQU\DATA\GCEXT4\DATA\092413\NM768.D\

Analysis Lot: 360033
 Extraction Lot: 192209
 Instrument Name: R-GC-56
 Dilution Factor: 1

| CAS No. | Analyte Name | Result | Q | MRL | MDL | Note |
|------------|--------------|--------|---|-----|-----|------|
| 12674-11-2 | Aroclor 1016 | 33 | U | 33 | 17 | |
| 11104-28-2 | Aroclor 1221 | 67 | U | 67 | 34 | |
| 11141-16-5 | Aroclor 1232 | 33 | U | 33 | 17 | |
| 53469-21-9 | Aroclor 1242 | 33 | U | 33 | 17 | |
| 12672-29-6 | Aroclor 1248 | 33 | U | 33 | 17 | |
| 11097-69-1 | Aroclor 1254 | 33 | U | 33 | 19 | |
| 11096-82-5 | Aroclor 1260 | 33 | U | 33 | 17 | |

| Surrogate Name | %Rec | Control Limits | Date Analyzed | Q |
|----------------------|------|----------------|---------------|---|
| Decachlorobiphenyl | 76 | 22-150 | 9/24/13 09:36 | |
| Tetrachloro-m-xylene | 46 | 10-126 | 9/24/13 09:36 | |

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Analyzed: 9/24/13

Lab Control Sample Summary
 Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
 Prep Method: EPA 3541

Units: µg/Kg
 Basis: Dry

Extraction Lot: 192209

| Analyte Name | Lab Control Sample RQ1311372-02 | | | Duplicate Lab Control Sample RQ1311372-03 | | | % Rec Limits | RPD | RPD Limit |
|--------------|------------------------------------|-----------------|-------|--|-----------------|-------|-----------------|-----|--------------|
| | Result | Spike Amount | % Rec | Result | Spike Amount | % Rec | | | |
| Aroclor 1260 | 135 | 167 | 81 | 132 | 167 | 79 | 58 - 129 | 2 | 30 |

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

METALS
COVER PAGE - INORGANIC ANALYSIS DATA PACKAGE

Contract: R1306782

SDG No.: TB-15A (24"

Lab Code: _____

Case No.: _____

SAS No.: _____

SOW No.: SW846 CLP-M

| <u>Sample ID.</u> | <u>Lab Sample No.</u> |
|----------------------|-----------------------|
| <u>TB-15A (24')</u> | <u>R1306782-001</u> |
| <u>TB-15A (24')D</u> | <u>R1306782-001D</u> |
| <u>TB-15A (24')S</u> | <u>R1306782-001S</u> |

Were ICP interelement corrections applied?

Yes/No YES

Were ICP background corrections applied?
If yes-were raw data generated before
application of background corrections?

Yes/No YES

Yes/No NO

Comments: See Attached Case Narrative

Signature: _____

Name: Michael Perry

Date: _____

10/10/13

Title: Laboratory Director

00047

METALS

-I-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TB-15A (24')

Contract: R1306782

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-15A (24")

Matrix (soil/water): SOIL Lab Sample ID: R1306782-001

Level (low/med): LOW Date Received: 9/16/2013

% Solids: 91.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|---|----|
| 7440-22-4 | Silver | 1.0 | U | | P |
| 7429-90-5 | Aluminum | 5580 | | | P |
| 7440-38-2 | Arsenic | 6.7 | | | P |
| 7440-39-3 | Barium | 34.5 | | | P |
| 7440-41-7 | Beryllium | 0.521 | U | | P |
| 7440-70-2 | Calcium | 42200 | | * | P |
| 7440-43-9 | Cadmium | 0.521 | U | | P |
| 7440-48-4 | Cobalt | 5.2 | U | | P |
| 7440-47-3 | Chromium | 22.0 | | * | P |
| 7440-50-8 | Copper | 15.3 | | | P |
| 7439-89-6 | Iron | 15900 | | | P |
| 7440-09-7 | Potassium | 619 | | | P |
| 7439-95-4 | Magnesium | 4820 | | * | P |
| 7439-96-5 | Manganese | 697 | | * | P |
| 7439-97-6 | Mercury | 0.035 | U | | CV |
| 7440-23-5 | Sodium | 146 | | | P |
| 7440-02-0 | Nickel | 10.9 | | N | P |
| 7439-92-1 | Lead | 9.2 | | | P |
| 7440-36-0 | Antimony | 6.3 | U | | P |
| 7782-49-2 | Selenium | 1.0 | U | | P |
| 7440-28-0 | Thallium | 2.1 | U | | P |
| 7440-62-2 | Vanadium | 9.8 | | | P |
| 7440-66-6 | Zinc | 51.6 | | N | P |

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments: _____

00048

METALS

-3-

BLANKS

Contract: R1306782

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-15A (24")

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | | M | |
|-----------|-----------------------------|-------------------------------------|----------|---|----------|---|----------|-------------------|---------|---|----|
| | | C | 1 | C | 2 | C | 3 | C | | | |
| Silver | 10.000 | U | 10.000 | U | 10.000 | U | 10.000 | U | 1.000 | U | P |
| Aluminum | 100.000 | U | 100.000 | U | 100.000 | U | 100.000 | U | 10.000 | U | P |
| Arsenic | 10.000 | U | 10.000 | U | 10.000 | U | 10.000 | U | 1.000 | U | P |
| Barium | 20.000 | U | 20.000 | U | 20.000 | U | 20.000 | U | 2.000 | U | P |
| Beryllium | 5.000 | U | 5.000 | U | 5.000 | U | 5.000 | U | 0.500 | U | P |
| Cadmium | 5.000 | U | 5.000 | U | 5.000 | U | 5.000 | U | 0.500 | U | P |
| Cobalt | 50.000 | U | 50.000 | U | 50.000 | U | 50.000 | U | 5.000 | U | P |
| Chromium | 10.000 | U | 10.000 | U | 10.000 | U | 10.000 | U | 1.000 | U | P |
| Copper | 20.000 | U | 20.000 | U | 20.000 | U | 20.000 | U | 2.000 | U | P |
| Potassium | 2000.000 | U | 2000.000 | U | 2000.000 | U | 2000.000 | U | 200.000 | U | P |
| Magnesium | 1000.000 | U | 1000.000 | U | 1000.000 | U | 1000.000 | U | 100.000 | U | P |
| Manganese | 10.000 | U | 10.000 | U | 10.000 | U | 10.000 | U | 1.000 | U | P |
| Mercury | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 0.033 | U | CV |
| Sodium | 1000.000 | U | 1000.000 | U | 1000.000 | U | 1000.000 | U | 100.000 | U | P |
| Nickel | 40.000 | U | 40.000 | U | 40.000 | U | 40.000 | U | 4.000 | U | P |
| Lead | 50.000 | U | 50.000 | U | 50.000 | U | 50.000 | U | 5.000 | U | P |
| Antimony | 60.000 | U | 60.000 | U | 60.000 | U | 60.000 | U | 6.000 | U | P |
| Selenium | 10.000 | U | 10.000 | U | 10.000 | U | 10.000 | U | 1.000 | U | P |
| Thallium | 10.000 | U | 10.000 | U | 10.000 | U | 10.000 | U | 1.000 | U | P |
| Vanadium | 50.000 | U | 50.000 | U | 50.000 | U | 50.000 | U | 5.000 | U | P |
| Zinc | 20.000 | U | 20.000 | U | 20.000 | U | 20.000 | U | 2.000 | U | P |

Comments:

00049

METALS

-3-

BLANKS

Contract: R1306782

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-15A (24")

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | C | M |
|-----------|-----------------------------|-------------------------------------|---|--------|---|---|---|-------------------|---|----|
| | | 1 | C | 2 | C | 3 | C | | | |
| Silver | | 10.000 | U | | | | | | | P |
| Aluminum | | 100.000 | U | | | | | | | P |
| Arsenic | | 10.000 | U | | | | | | | P |
| Barium | | 20.000 | U | | | | | | | P |
| Beryllium | | 5.000 | U | | | | | | | P |
| Cadmium | | 5.000 | U | | | | | | | P |
| Cobalt | | 50.000 | U | | | | | | | P |
| Chromium | | 10.000 | U | | | | | | | P |
| Copper | | 20.000 | U | | | | | | | P |
| Potassium | | 2000.000 | U | | | | | | | P |
| Magnesium | | 1000.000 | U | | | | | | | P |
| Manganese | | 10.000 | U | 10.000 | U | | | | | P |
| Mercury | | 0.200 | U | | | | | | | CV |
| Sodium | | 1000.000 | U | | | | | | | P |
| Nickel | | 40.000 | U | | | | | | | P |
| Lead | | 50.000 | U | | | | | | | P |
| Antimony | | 60.000 | U | | | | | | | P |
| Selenium | | 10.000 | U | | | | | | | P |
| Thallium | | 10.000 | U | 10.000 | U | | | | | P |
| Vanadium | | 50.000 | U | | | | | | | P |
| Zinc | | 20.000 | U | | | | | | | P |

Comments:

METALS

-3-

BLANKS

Contract: R1306782

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-15A (24")

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | C | M |
|---------|-----------------------------|-------------------------------------|---|------------|---|------------|---|-------------------|---|---|
| | | 1 | C | 2 | C | 3 | C | | | |
| Calcium | 1000.000 U | 1000.000 U | | 1000.000 U | | 1000.000 U | | 100.000 U | | P |
| Iron | 100.000 U | 100.000 U | | 100.000 U | | 100.000 U | | 10.000 U | | P |

Comments:

METALS

-3-

BLANKS

Contract: R1306782

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-15A (24")

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | C | M |
|---------|-----------------------------|-------------------------------------|---|----------|---|---|---|-------------------|---|---|
| | | 1 | C | 2 | C | 3 | C | | | |
| Calcium | | 1000.000 | U | 1000.000 | U | | | | | P |
| Iron | | 100.000 | U | 100.000 | U | | | | | P |

Comments:

METALS

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

TB-15A (24')S

Contract: R1306782

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-15A (24")

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 91.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|-----------|------------------|----------------------------|---|--------------------|---|------------------|-------|---|---|
| Silver | 75 - 125 | 5.19 | | 1.04 | U | 5.4 | 96 | | P |
| Aluminum | | 4850.00 | | 5580.00 | | 214.0 | -341 | | P |
| Arsenic | 75 - 125 | 10.10 | | 6.70 | | 4.3 | 79 | | P |
| Barium | 75 - 125 | 227.00 | | 34.50 | | 214.0 | 90 | | P |
| Beryllium | 75 - 125 | 5.19 | | 0.52 | U | 5.4 | 96 | | P |
| Calcium | | 66400.00 | | 42200.00 | | 214.0 | 11308 | | P |
| Cadmium | 75 - 125 | 4.32 | | 0.52 | U | 5.4 | 80 | | P |
| Cobalt | 75 - 125 | 51.00 | | 5.21 | U | 53.6 | 95 | | P |
| Chromium | 75 - 125 | 42.10 | | 22.00 | | 21.5 | 93 | | P |
| Copper | 75 - 125 | 39.70 | | 15.30 | | 26.8 | 91 | | P |
| Iron | | 14700.00 | | 15900.00 | | 107.0 | -1121 | | P |
| Potassium | 75 - 125 | 2620.00 | | 619.00 | | 2150.0 | 93 | | P |
| Magnesium | | 15800.00 | | 4820.00 | | 214.0 | 5131 | | P |
| Manganese | | 1090.00 | | 318.00 | | 53.6 | 1440 | | P |
| Sodium | 75 - 125 | 2300.00 | | 146.00 | | 2150.0 | 100 | | P |
| Nickel | 75 - 125 | 49.70 | | 10.90 | | 53.6 | 72 | N | P |
| Lead | 75 - 125 | 59.10 | | 9.24 | | 53.60 | 93 | | P |
| Antimony | 75 - 125 | 45.90 | | 6.25 | U | 53.6 | 86 | | P |
| Selenium | 75 - 125 | 96.40 | | 1.04 | U | 108.0 | 89 | | P |
| Thallium | 75 - 125 | 206.00 | | 0.95 | U | 214.0 | 96 | | P |
| Vanadium | 75 - 125 | 58.70 | | 9.83 | | 53.6 | 91 | | P |
| Zinc | 75 - 125 | 87.90 | | 51.60 | | 53.6 | 68 | N | P |

Comments:

METALS
-5B-

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

TB-15A (24')A

Contract: R1306782

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-15A (24")

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|-----------|------------------|----------------------------|---|--------------------|---|------------------|-----|---|---|
| Silver | | 41.10 | | 10.00 | U | 50.0 | 82 | | P |
| Aluminum | | 54300.00 | | 53500.00 | | 2000.0 | 40 | | P |
| Arsenic | | 101.00 | | 64.30 | | 40.0 | 92 | | P |
| Barium | | 2200.00 | | 331.00 | | 2000.0 | 93 | | P |
| Beryllium | | 49.20 | | 5.00 | U | 50.0 | 98 | | P |
| Calcium | | 22400.00 | | 20200.00 | | 2000.0 | 110 | | P |
| Cadmium | | 42.20 | | 5.00 | U | 50.0 | 84 | | P |
| Cobalt | | 494.00 | | 50.00 | U | 500.0 | 99 | | P |
| Chromium | | 394.00 | | 211.00 | | 200.0 | 92 | | P |
| Copper | | 383.00 | | 147.00 | | 250.0 | 94 | | P |
| Iron | | 8560.00 | | 7610.00 | | 1000.0 | 95 | | P |
| Potassium | | 25100.00 | | 5940.00 | | 20000.0 | 96 | | P |
| Magnesium | | 46400.00 | | 46200.00 | | 2000.0 | 10 | | P |
| Manganese | | 3810.00 | | 3340.00 | | 500.0 | 94 | | P |
| Sodium | | 20800.00 | | 1400.00 | | 20000.0 | 97 | | P |
| Nickel | | 494.00 | | 105.00 | | 500.0 | 78 | | P |
| Lead | | 545.00 | | 88.60 | | 500.0 | 91 | | P |
| Antimony | | 488.00 | | 60.00 | U | 500.0 | 98 | | P |
| Selenium | | 927.00 | | 10.00 | U | 1010.0 | 92 | | P |
| Thallium | | 1950.00 | | 10.00 | U | 2000.0 | 98 | | P |
| Vanadium | | 564.00 | | 94.30 | | 500.0 | 94 | | P |
| Zinc | | 915.00 | | 495.00 | | 500.0 | 84 | | P |

Comments:

METALS
-6-
DUPLICATES

SAMPLE NO.

TB-15A (24')D

Contract: R1306782

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-15A (24")

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 91.4 % Solids for Duplicate: 91.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit | Sample (S) | C | Duplicate (D) | C | RPD | Q | M |
|-----------|---------------|------------|---|---------------|---|-----|---|---|
| Silver | | 1.04 | U | 1.06 | U | | | P |
| Aluminum | | 5580.00 | | 5050.00 | | 10 | | P |
| Arsenic | | 6.70 | | 6.49 | | 3 | | P |
| Barium | | 34.50 | | 36.10 | | 5 | | P |
| Beryllium | | 0.52 | U | 0.53 | U | | | P |
| Calcium | | 42200.00 | | 67100.00 | | 46 | * | P |
| Cadmium | | 0.52 | U | 0.53 | U | | | P |
| Cobalt | | 5.21 | U | 5.31 | U | | | P |
| Chromium | | 22.00 | | 14.60 | | 40 | * | P |
| Copper | | 15.30 | | 14.20 | | 7 | | P |
| Iron | | 15900.00 | | 14600.00 | | 9 | | P |
| Potassium | 212.0 | 619.00 | | 697.00 | | 12 | | P |
| Magnesium | | 4820.00 | | 13600.00 | | 95 | * | P |
| Manganese | | 318.00 | | 899.00 | | 95 | * | P |
| Sodium | 106.0 | 146.00 | | 176.00 | | 19 | | P |
| Nickel | 4.3 | 10.90 | | 10.10 | | 8 | | P |
| Lead | 5.3 | 9.24 | | 7.98 | | 15 | | P |
| Antimony | | 6.25 | U | 6.37 | U | | | P |
| Selenium | | 1.04 | U | 1.06 | U | | | P |
| Thallium | | 0.95 | U | 2.12 | U | | | P |
| Vanadium | 5.3 | 9.83 | | 9.33 | | 5 | | P |
| Zinc | | 51.60 | | 47.40 | | 8 | | P |

Comments:

METALS

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LABORATORY CONTROL SAMPLE

Contract: R1306782

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: TB-15A (24")

Solid LCS Source: ERA

Aqueous LCS Source: _____

| Analyte | Aqueous (ug/L) | | | Solid (mg/K) | | | | |
|-----------|----------------|-------|----|--------------|----------|---|--------------|-----|
| | True | Found | %R | True | Found | C | Limits | %R |
| Silver | | | | 34 | 33.81 | | 22.8 46.1 | 98 |
| Aluminum | | | | 8400 | 7667.01 | | 3950 12800 | 91 |
| Arsenic | | | | 95 | 88.52 | | 77.8 111 | 94 |
| Barium | | | | 167 | 169.88 | | 140 193 | 102 |
| Beryllium | | | | 58 | 55.88 | | 47.8 67.4 | 97 |
| Calcium | | | | 6140 | 5572.04 | | 5110 7180 | 91 |
| Cadmium | | | | 61 | 59.22 | | 50.3 70.7 | 98 |
| Cobalt | | | | 102 | 104.19 | | 84.9 119 | 102 |
| Chromium | | | | 70 | 72.36 | | 57.6 83.2 | 103 |
| Copper | | | | 80 | 84.11 | | 66.7 92.4 | 106 |
| Iron | | | | 12500 | 11279.54 | | 6330 18700 | 90 |
| Potassium | | | | 2490 | 2392.73 | | 1740 3230 | 96 |
| Magnesium | | | | 2580 | 2486.51 | | 1960 3190 | 96 |
| Manganese | | | | 283 | 291.29 | | 233 332 | 103 |
| Mercury | | | | 3.730 | 3.83 | | 2.56 4.89 | 103 |
| Sodium | | | | 215 | 214.46 | | 144 286 | 100 |
| Nickel | | | | 58 | 58.99 | | 47.7 67.5 | 102 |
| Lead | | | | 92 | 91.79 | | 75.5 108 | 100 |
| Antimony | | | | 93 | 129.79 | | 6 186 | 139 |
| Selenium | | | | 86 | 81.45 | | 69.2 104 | 94 |
| Thallium | | | | 120 | 122.50 | | 93.9 145 | 102 |
| Vanadium | | | | 57 | 55.79 | | 41.9 72 | 98 |
| Zinc | | | | 140 | 137.49 | | 115 165 | 98 |

Comments: _____

00056

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Day Environmental, Incorporated
Project: Olean/48845-13
Sample Matrix: Soil
Sample Name: TB-15A (24')
Lab Code: R1306782-001

Service Request: R1306782
Date Collected: 9/11/13 1130
Date Received: 9/16/13

Basis: As Received

General Chemistry Parameters

| Analyte Name | Method | Result Q | Units | MRL | Dilution Factor | Date Extracted | Date Analyzed | Note |
|---------------|----------------|----------|---------|-----|-----------------|----------------|---------------|------|
| Solids, Total | 160.3 Modified | 91.4 | Percent | 1.0 | 1 | NA | 9/23/13 13:22 | |

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil
 Sample Name: TB-15A (24')
 Lab Code: R1306782-001

Service Request: R1306782
 Date Collected: 9/11/13 1130
 Date Received: 9/16/13

Basis: Dry
 Percent Solids: 91.4

General Chemistry Parameters

| Analyte Name | Method | Result Q | Units | MRL | Dilution Factor | Date Extracted | Date Analyzed | Note |
|----------------|--------|----------|-------|-------|-----------------|----------------|---------------|------|
| Cyanide, Total | 9012B | 0.094 U | mg/Kg | 0.094 | 1 | 9/24/13 | 9/24/13 17:08 | |

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Day Environmental, Incorporated
Project: Olean/48845-13
Sample Matrix: Soil
Sample Name: TB-17 (3')
Lab Code: R1306782-002

Service Request: R1306782
Date Collected: 9/13/13 1130
Date Received: 9/16/13

Basis: As Received

General Chemistry Parameters

| Analyte Name | Method | Result Q | Units | MRL | Dilution Factor | Date Extracted | Date Analyzed | Note |
|---------------|----------------|----------|---------|-----|-----------------|----------------|---------------|------|
| Solids, Total | 160.3 Modified | 84.8 | Percent | 1.0 | 1 | NA | 9/23/13 13:22 | |

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil
 Sample Name: TB-12 (30')
 Lab Code: R1306782-003

Service Request: R1306782
 Date Collected: 9/12/13 1015
 Date Received: 9/16/13

Basis: As Received

General Chemistry Parameters

| Analyte Name | Method | Result Q | Units | MRL | Dilution Factor | Date Extracted | Date Analyzed | Note |
|---------------|----------------|----------|---------|-----|-----------------|----------------|---------------|------|
| Solids, Total | 160.3 Modified | 90.1 | Percent | 1.0 | 1 | NA | 9/23/13 13:22 | |

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil
 Sample Name: Method Blank
 Lab Code: R1306782-MB

Service Request: R1306782
 Date Collected: NA
 Date Received: NA

Basis: As Received

General Chemistry Parameters

| Analyte Name | Method | Result Q | Units | MRL | Dilution Factor | Date Extracted | Date Analyzed | Note |
|---------------|----------------|----------|---------|-----|-----------------|----------------|---------------|------|
| Solids, Total | 160.3 Modified | 1.0 U | Percent | 1.0 | 1 | NA | 9/23/13 13:22 | |

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Day Environmental, Incorporated
Project: Olean/48845-13
Sample Matrix: Soil
Sample Name: Method Blank
Lab Code: R1306782-MB

Service Request: R1306782
Date Collected: NA
Date Received: NA

Basis: Dry

General Chemistry Parameters

| Analyte Name | Method | Result | Q | Units | MRL | Dilution Factor | Date Extracted | Date Analyzed | Note |
|----------------|--------|--------|---|-------|------|-----------------|----------------|---------------|------|
| Cyanide, Total | 9012B | 0.10 | U | mg/Kg | 0.10 | 1 | 9/24/13 | 9/24/13 16:47 | |

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Analyzed: 9/24/13

Lab Control Sample Summary
 General Chemistry Parameters

Units: mg/Kg
 Basis: Dry

Lab Control Sample
 R1306782-LCS1

| Analyte Name | Method | Result | Spike | | % Rec Limits |
|----------------|--------|--------|--------|-------|--------------|
| | | | Amount | % Rec | |
| Cyanide, Total | 9012B | 1.01 | 1.00 | 101 | 85 - 115 |

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Day Environmental, Incorporated
 Project: Olean/48845-13
 Sample Matrix: Soil

Service Request: R1306782
 Date Analyzed: 9/24/13

Lab Control Sample Summary
 General Chemistry Parameters

Units: mg/Kg
 Basis: Dry

| Analyte Name | Method | Lab Control Sample R1306782-LCS2 | | | % Rec Limits |
|----------------|--------|-------------------------------------|-----------------|-------|-----------------|
| | | Result | Spike Amount | % Rec | |
| Cyanide, Total | 9012B | 4.04 | 4.00 | 101 | 85 - 115 |

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.